01I25 € 6.50 Austria € 7.20ILuxembourg € 7.70ISwitzerland CHF 10.90IBelgium € 7.70 G 12807

caliber

Neue WaffG series

EN English version

SIG Sauer P320
in 10 mm & .45 Auto

. 223 Rem.-Repetierer
Steyr Pro Varmint & Ruger American Rifle Gen2

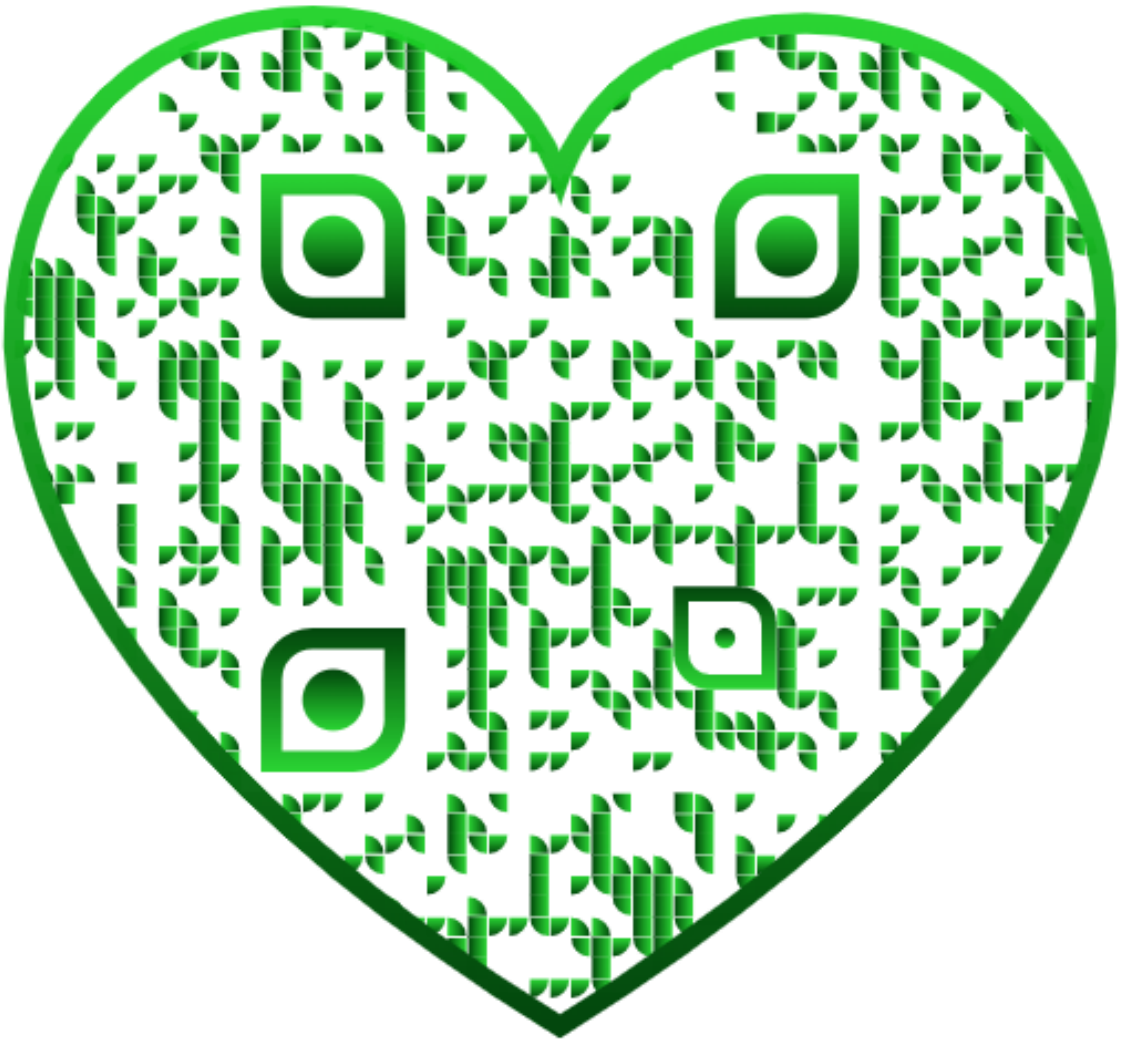
small-caliber duo
Winchester Xpert & Wildcat

Sellier & Bellot
current inventory

low budget long-range rifle

Haenel LR/One

4 199113 406505 01



MEISTER
MANUFAKTUR

WALTHER

www.carl-walther.de

Dear reader,

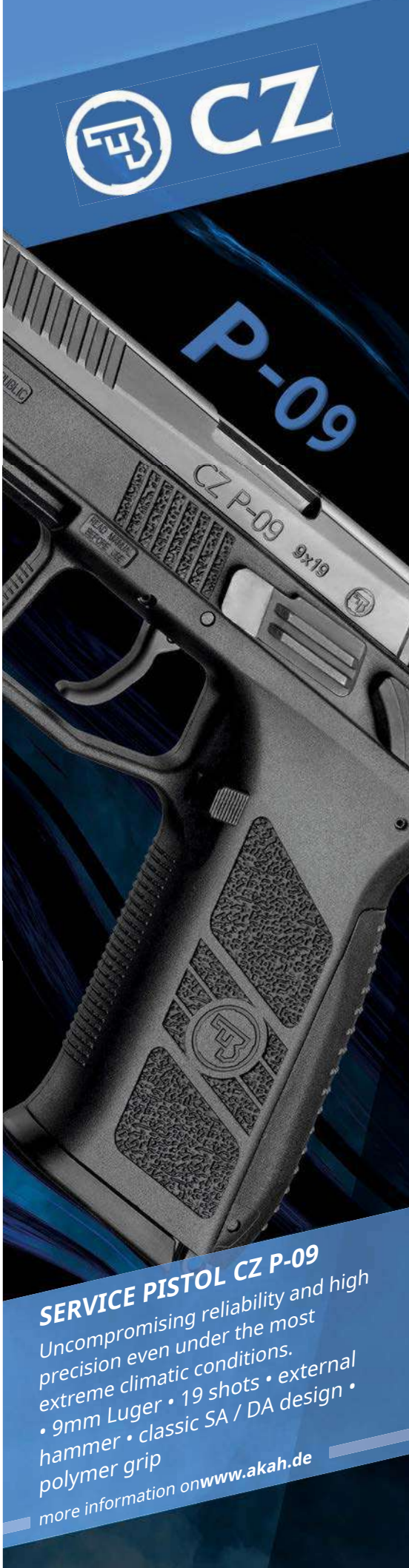
In view of the early federal election in 2025, the VDB has formulated demands for the weapons industry to a new government: evaluation of the weapons law, revision of the weapons law, rapid revision of the weapons administration regulations, reduction of bureaucracy, digitalization and relief for tradesmen and specialist retailers.

Weapons world after traffic light shutdown

After the repeated amendments to the Weapons Act, it is essential to assess the impact of these amendments on their effectiveness. Many adjustments have led to a considerable burden on the authorities, trades, specialist retailers and all legal gun owners - without any increase in safety. The aim of the new version should be to make the handling of weapons clear and manageable for all those involved - authorities, trades, retailers, collectors and holders of gun licenses. The administrative regulation on gun law is available as of 2012. Since then, the law has been amended several times, most recently with numerous vague legal terms in October 2024. The regulation can therefore hardly be used as a basis for decision-making by authorities. Specialist gun retailers, holders of gun licenses and also the gun authorities are suffering from increasing bureaucratization and the associated excessive demands. It is essential for the gun industry that digital solutions are introduced comprehensively and implemented quickly. The possibilities of a digital gun ownership card should therefore be examined comprehensively. In particular, it is important to examine the extent to which the National Weapons Register's ability to engage in dialogue, which would also allow commercial license holders to make certain queries, could contribute to internal security. Crafts and trade see their existence threatened by increasing requirements. This affects not only the Weapons Act, but also the Packaging Act, the Electrical Equipment Act, the Product Safety Ordinance, the Dangerous Goods Regulations, the Price Indication Ordinance, the General Data Protection Regulation, the Working Hours Act, the Battery Act and the Cash Register Security Ordinance. Politicians should develop solutions that enable companies to concentrate on their core tasks without being overwhelmed by disproportionate requirements.

Let us hope that these demands are implemented and do not remain mere wishes!

Stefan Perey


CZ
P-09
CZ P-09 9x19
SERVICE PISTOL CZ P-09
Uncompromising reliability and high precision even under the most extreme climatic conditions.
• 9mm Luger • 19 shots • external hammer • classic SA / DA design • polymer grip
more information on www.akah.de

6 Greetings from Hollywood:
Can

22 Bigger is better?
G Sa

14 Thuringian top offer:
Haenel LR/One in the test.

52 Cyelee Optics :
Bull X PRO & Ghost HDG in the test.

COVER STORY

6 anik TTI Combat

HANDGUNS

22 SIG Sauer P320 in 10 mm & .45 Auto
46 Hämmerli 208 Upgrade

LONG GUNS

14 Haenel LR/One
30 Ruger American Rifle Gen II & Steyr Pro Varmint
36 Winchester Xpert & Wildcat

AMMUNITION & RELOADING

42 200 years of Sellier & Bellot

MILITARY & POLICE

56 Enforce-Tac interview

OPTICS

52 Cyelee Optics Bull X PRO & Ghost HDG

GUN LAW

60 Need limit for hunters?

36 small-caliber duo:

Winchester Xpert & Wildcat in the test.

EQUIPMENT

70	Gatorz shooting glasses

THIS & THAT

62	ordering service	74	magazine
63	classifieds	82	imprint

Click here to all4shooters:

NEXTORCH®

TA21

Compact tactical EDC lamp
with 1300 lumens of white light
and 150 lumens of red light

Kompakte Größe
Direkter Strobe-Zugriff
4 Operator-Modi
Nano-Keramik Glasbrecher
IPX8 2m wasserdicht
2m Fallhöhe
USB Typ-C Aufladen

LOCK MODUS — Wirksamer Schutz vor versehentlichem Einschalten

DUTY MODUS — Tippen für Momentanlicht, drücken für Dauerlicht Bei Dauerlicht, leichtes tippen für Modiwahl High-Medium-Low-Strobe

TACTICAL MODUS — Tippen für Momentanlicht, Starkes Durchdrücken für Strobe-Modus

RED MODUS — Einmal Tippen 3lm, zweites Tippen 30lm, drittes Tippen 150lm. Momentan Ein

NEXTORCH
Nextorch Deutschland GmbH
Tel.+49 (0) 2129 91639-00
Mail: email@nextorch
Web: www.nextorch.de

Greetings from Hollywood!

The collaboration between the popular US shooting instructor Taran Butler and the Turkish weapons manufacturer Canik is a clever move by those involved, and we can see the result in the form of the internationally well-known

The four-part action film series "John Wick", which was launched in 2014 and starred Keanu Reeves, was extremely successful and has also contributed to the success of the film, which extends beyond the world of weapons.

Fame of Taran Butler of Taran Tactical Innovations (TTI). Why? Videos are circulating on the worldwide web and on the TTI homepage in which you can see how skillfully Keanu Reeves and many other actors and celebrities, such as Halle Berry, can handle weapons in "real life". They were taught these shooting skills by none other than Taran Butler, who

The Canik TTI Combat in 9 mm Luger is not only attractive in appearance, but also powerful in practice.

in the US arms industry, he is considered a shooting instructor for Hollywood stars. In addition to shooting training, TTI from Simi Valley, California, also offers custom guns, especially the so-called "Movie Firearms" with model names inspired by the John Wick film series, such as "JW2 Combat Master", "JW3 Combat Master" or "JW4 Pit Viper". All of these self-loading pistols (based on Glock and 1911/2011), self-loading rifles (based on AR-15 and SIG Sauer MPX) and self-loading rifles (based on Benelli M2/M4 and Genesis Arms Gen 12) were used in the films. Incidentally, in Germany, Sven Schlegel from 3Gun-Sports offers the TTI Custom Guns, which are not in stock and can only be ordered on a firm order. But Hollywood exclusivity also has its price: a JW4 Combat Master based on the Glock G34 costs 3,790 euros, a JW3 Combat Master and JW4 Pit Viper 2011 basis even 7,990 Euros or 9,100 Euros, while the JW 3 Benelli M2/JW 2 Benelli M4 shotguns go for 3,950 Euros and 4,650 Euros (see also: www.3gsports.de). The Canik TTI Combat presented here with the special Hollywood flair is a real bargain for 1,299 Euros! Taran Butler, born in Hollywood, grew up on a horse ranch in Southern California and shot his first Southwest Pistol League match in January 1995, immediately taking 7th place out of 118 starters. In just about a year, he achieved the coveted, highest "Grand Master" status with his Glock pistol in the USPSA as a beginning "Unclassified" shooter. Today he is one of the world's best and most decorated IPSC/Action shooters with countless trophies. He is also known for his all-round talent in handling all types of weapons, so that he has won countless "multi-Gun" and "3-Gun" titles with rifle, shotgun and pistol (see also: www.tarantacticalinnovations.com).

Canik TTI Combat in Detail

The pistol, which has an attractive appearance, is based on the technology of the Canik TP-9/Mete models, which have been tried and tested hundreds of thousands of times. These series consist of polymer frame striker-fired pistols with fully pre-tensioned single-action triggers and constant trigger characteristics from the first to the last shot. In caliber 6/2024 we also presented the sleekly designed Mete SFX/SFT Pro Striker Fire Action pistols in 9 mm Luger with 127 mm and 146 mm long silencer barrels with muzzle threads that protrude over the front of the bolt. Incidentally, the Turkish manufacturer is not only an expert in building “plastic pistols”, which is clearly demonstrated by the inexpensive all-steel Rival-S pistol.

The design of the TTI Combat in the "Burnt Bronze" color with milled windows in the slide, fluted barrel and distinctive rear and front gripping grooves attracts attention.

has been (see caliber 1/2024). This model and the new TTI Combat are the current flagships of Canik ar. Even at first glance, the I Combat with its "Burnt Bronze" Cerkote finish, which the bolt, e controls, the magazine funnel, the magazine bases and the back of the otherwise black polymer plastic grip. Another eye-catcher is the compact compensator with an expansion chamber, which underlines the coolness factor. In the SA, compensators are very much in fashion even in subcompact defensive pistols for everyday concealed carrying. A trend that can be argued about. The muzzle attachment is also

It is not screwed onto a barrel thread and additionally secured, but is fixed to the barrel with a positive plug connection and a spring-loaded latch. This means that the compensator can be removed in the truest sense of the word after the encapsulated recoil spring has been removed.

s in no time at all. In contrast to some other compensations, this version made of steel looks like an extended bolt guide - elegantly implemented! Typical Canik design features are the window cutouts

Professor Optiken

Jetzt neu:
- 10-fach Zoom
- mit Leuchtfaser-Absehen 4
- hochwertige Optik mit ED-Glas
- weites Sehfeld von 38 m
- sehr feiner & heller Leuchtpunkt
- mit Abschaltautomatik
- 11-stufig dimmbar

Ab sofort erhältlich!

Mehr Informationen unter:
www.professor-optiken.de
info@professor-optiken.de
#professoroptiken
/professoroptiken
+49 172 / 97 93 794

Bodensee 1-10x24 ED
Leuchtfaser-Absehen 4 Pro
UVP: 999,- €

lations on the barrel. The successful appearance of the 120 mm long barrel with square cartridge chamber/bolt block and open control gate, however, remains mostly under the ve
zugszun

Wide, a generous, finely grooved support surface. Thus, subjectively, the approximately 1,800 gram trigger weight seems much less. Further details

Combat modified slide catch lever, a firing pin cocking indicator and a visible and tactile charge level indicator on the top of the slide. Ap-

The technical data	
Model:	Canik TTI Combat
Caliber:	9 mm Luger
Magazine capacity:	18 cartridges
ri t :	polymer with steel inserts
Closure:	Steel, Burnt Bronze Cerakote coated
a nge profile:	120 mm/6x field train
rear sight:	rigid, cross-grooved, 3.05 mm
Grain:	Target grain with green fiber rod insert, 2.6 mm
Sight length:	173 mm
Backup:	trigger safety, trigger-controlled firing pin safety
trigger system, ge i t :	SA, 1,871 grams
ea tge it :	832 grams
Dimensions (LxWxH):	200x41x158 mm
Extras:	Hard shell suitcase with 2 magazines, Adapter plates for MRDS, holster, cleaning utensils
Price:	1,299 euros

* Average of 10 measurements with the Manthei Trigger Scan System
* * incl. magazine

Shooting performance Canik TTI Combat in 9 mm Luger

bullet – time he plate p For	laboratory – quantity (grs.)	OAL (mm)	v_3 ( )	factor	MIP	precision (mm)	Remarks on the Laboratory Works
95 Magtech JSP TC	Magtech factory cartridge	-	421	131	259	78	large muzzle flash
124 GECO FMJ OG	GECO factory cartridge	-	328	133	263	72	inexpensive standard cartridge
124 GECO UTHP FP	GECO factory cartridge	-	328	133	264	24	successor Norma Safeguard
124 S&B FMJ OG	S&B factory cartridge	-	346	141	278	73	inexpensive standard cartridge
140 S&B FMJ FP	S&B factory cartridge	-	301	138	273	70	soft subsonic loading
145 H&N High Speed TC	3.3 Hodgdon Titegroup	28.0	284	135	267	50	soft IPSC load
147 CCI FMJ TC	Blazer factory cartridge		316	152	301	40	crisply loaded

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). Abbreviations in caliber: FMJ = Full Metal Jacket. JHP = Jacketed Hollow Point. JSP = Soft Point. OAL = Overall Length. OG = Ogive. TC = Truncated Cone. Test setup: The bullet velocity (v_3 in meters per second) was measured with a Garmin Xero X1 Pro. The precision check (average of two 5-shot groups) was carried out from the sandbag rest at a distance of 25 meters. The shot patterns refer to the furthest apart shot hole centers. All hand-loading in GECO cases with Federal 100 primer and ¼ taper crimp. All loading information is without guarantee. Each reloader acts independently according to the law!

days of a mini red dot sight, with some adapter plates for different optics included in the delivery. The rigid mechanical HIVIZ sight consists

Targeting optimized front sight with green fiber rod insert. The two sheet steel magazines included in the scope of delivery are equipped with magazine bases from TTI.

felten K

The trigger is very wide at eight millimetres. So that the trigger finger can be placed in its usual place

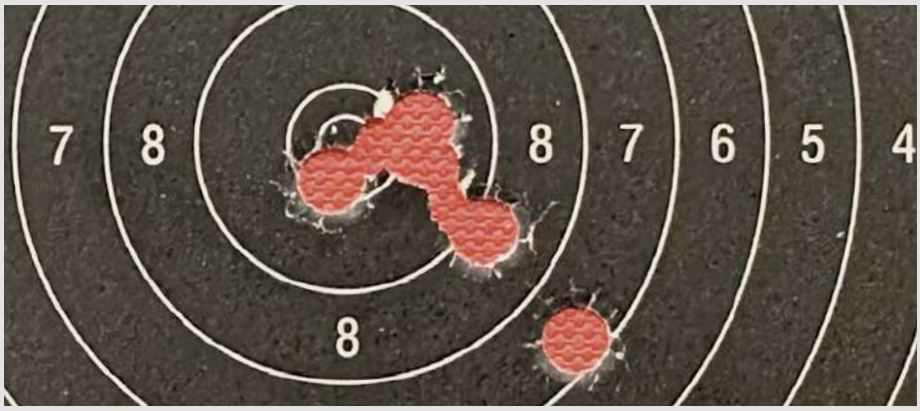
maximum filling level and closed shutter, whereby the easily removable, rotating magazine funnel enables dynamic magazine changes

The aggressive surface structure of the grip provides a very good grip and a lot of shooting control even with wet hands. Only the slightly protruding magazine button sounded a little uncomfortable to us. the support hand, but this is probably an individual problem due to "hands like excavator shovels". Another standard feature of the Turkish manufacturer is the always very generous overall scope of delivery. With the Canik TTI Comat, the beautifully made, robust plastic transport case with an inlaid TTI logo contains, among other things, a molded plastic holster with infinitely adjustable angle and pull resistance, two magazines, optics adapter plates, tools and cleaning utensils.

At the shooting range

To test the shooting performance, we quickly mounted a competition-tested Holosun HS507 Competition

ACCURACY SYNCHRONIZED
ACCU-SYNC®
QUICK RELEASE
QR
MONTAGERINGE FÜR PICATINNYSCHIENEN
GEBAUT FÜR DEN DAUEREINSATZ BIS KAL. .338 LAPUA MAGNUM | KRAFTSCHLÜSSIGE, MASSIVE QUERBLÖCKE | VERRIEGELTE SCHNELLLÖSEHEBEL | WERKZEUGFREIE KLEMMKRAFTVERSTELLUNG AUCH IM MONTIERTEN ZUSTAND
» Passend auf alle normgerechten Picatinny Standard Rails
» Hebelverriegelung vermeidet unabsichtliches Öffnen im Feldeinsatz
» Quadratische Rückstoßwarzen verhindern Längsbewegungen
» Fließende Übergänge und abgerundete Konturen
» Gewichtssparendes Design aus schwarz anodisiertem Aluminium
BAUHÖHE 1 ZOLL 30 MM 34 MM
NIEDRIG AQR110 AQR310
MITTEL AQR115 AQR315 AQR415
HOCH AQR120 AQR322 AQR420
EXTRA HOCH AQR422
WAHNSINNIG HOCH AQR432
LEAPERS, INC.
Providing Optics & Shooting Sports Accessories Since 1992.
U.S. OPERATION
Headquartered in Livonia, Michigan
734-542-1500 | www.leapers.com |
UTG EUROPE GMBH
Am Bahndamm 7, 63683 Ortenberg, Germany
06041/9696860 | www.utgeurope.com
THE BEST NEVER REST
UTG® EUROPE



Two right
the 25-

The prominent IPSC/Action top shooter Taran Butler held the Canik TTI Combat in front of the camera lens for us at the IWA 2024. (Photo: Stefan Perey)

window also meets the most sporting demands (see test in caliber 3/2024). Loads from 95 to 147 rains should show whether the racy pistol shoots as well as it looks.

We were amazed when the new ECO UTHP (Ultra Target Hollow Point) delivered a 23 and a 24 mm group at a distance of 25 metres. It is the successor to the Norma 124 Grains Safeguard, which used the same bullet and had already given us many good results.

en convinced. This was followed by the crisply loaded CCI 147 grains FMJ with 40 mm, which at 316 m/s brings it to a full factor of 152. In third place was our hand load with the 145 grains &N high-speed bullet and a 50 m spread. All other results can be found in the table as usual. The only question that remained was to clarify the extent to which the compensator can unfold its effect. Since this can be removed easily and without tools, a few drills with and without a muzzle attachment could quickly be carried out. It was not surprising that

The recoil was only minimally and not completely dampened. It is difficult to determine how much of this effect is due to the 54 ramm weight of the compensator at the longest lever center of gravity. A gentler shooting behavior can be achieved better with soft loads such as the S&B 140 grains used in the rifle or our

The hand load with the 145 grain H&N bullet was achieved. There were no malfunctions during the approximately 300 shots fired. Even with the two weakest loads, the compensated pistol had enough functional reserves.

caliber conclusion

The Canik TTI Combat is a modern, polymer-framed firing pin pistol with a striking appearance, cool features and a certain Hollywood flair. The complete equipment, functionality and precision are impressive, so that the pistol can only be described as having an extremely good price/ performance ratio with a price of 1,299 euros.

Further information at www.canikarms.com and www.myhuntex.com

Text: Tino Schmidt/Stefan Perey
Photos: Dieter Licht

OUR TOP SHOT TEAM RECOMMENDS

CZ

Orange OR

No. 2020381
9 mm Luger

scan me

AMMUNITION FROM Sellier & Bellot

scan me

The following applies to weapons:

Only available to holders of a valid purchase permit. Please send valid purchase authorization with personal NWR ID and WBK NWR ID. Please note the shipping costs in the terms and conditions.

You can obtain further information from FRANKONIA – at frankonia.de and in well-stocked specialist retailers.

Thuringian Top offer!

Based on the RS8, RS9 and HLR sniper rifle series, which were primarily designed for professional use by authorities, Haenel is offering the new LR/One model, which is the first affordable sports version that we have put to the test.

Last year (caliber 2/2024) we presented the HLR series from Haenel as the latest evolutionary stage of the Suhl-based manufacturer's prestigious sniper rifles, which are primarily designed for use by law enforcement agencies. We were able to shoot the predecessors in the form of the RS8 in .308 Winchester, which was released in 2009, and the RS9 in .338 Lapua Magnum (according to the German army nomenclature G29 "medium-range sniper rifle"), which was launched two years later, as well as the HLR rifles extensively (see caliber 6/2010, 9/2013 and 5/2014). The HLR repeaters are based on the foundation of the RS8/9 family, which means that the system case, bolt and barrel are identical. Design differences can be found in the stock interfaces and hand protection systems, which make the HLR series lighter, more modular and more ergonomic. Unfortunately, the common denominator of all the rifle series mentioned is the high purchase price, so that the current HLR models cost just under 4,700 euros as the Haenel HLR Basic and as much as 8,050 euros as the Haenel HLR Pro, depending on the configuration. At the Enforce Tac/IWA 2024, Haenel then surprised everyone with the LR/One, which, at a price of 2,500 euros, represents the cheapest light metal chassis repeating rifle for long-range use from this renowned company.

It's all about the mix!

Haenel was only able to overcome the huge price difference by using a few tricks when designing the LR/One, so the direct trigger and the plastic box magazine with a capacity for five cartridges come from the Haenel Jaeger NXT hunting straight-pull repeating rifle series (see test in caliber 3/2022). This is then joined by a comparatively simple, standard AR-15 push-fit stock, AR-15 pistol grip and a barrel with an M15x1 muzzle thread, on which there is no flash hider at the factory. Even the thumb rest on the aluminum chassis mounted on our test rifle is manufactured using a 3D printer in order to remain as cost-effective as possible. In practice, however, there was nothing to complain about with regard to the functionality of these components. There is now a 165 mm long, continuous Weaver rail on the top of the system sleeve, so that large block mounts and riflescopes can be attached flexibly as desired. On the system sleeve of the NXT hunting rifle, however, there are two individual mounting bases on the two bridges, which means that only two mounting rings can be fixed for the optics mount, which is practical and completely sufficient in this field. The AR-15 shoulder rest of the LR/One, however, had some play on the support tube. The adjustment mechanisms and adjustment options of the buttstock are nevertheless impressive. The length of the stock can be varied by 75 mm in six 15 mm steps. The cheek rest can be adjusted in height by a total of 21 mm in 1.5 mm increments, whereby

The selected position is fixed with a star grip clamping screw. The butt plate, which is guided in a T-slot, can be moved up by 35 mm and down by 28 mm at the push of a button. A feature that the Haenel HLR Basic can now also boast.

By the way: The tolerances between the buttstock and the support tube that we criticized can be corrected with a positioned Feeler gauge tape in in no time cost-effectively. The AR-15 compatibility also means that any other AR stock that the huge market has to offer could be mounted as a more expensive alternative. One option would be the popular Magpul PRS Gen 2 buttstock.

All aluminum

The cleanly manufactured chassis is made of anodized, high-strength aluminum and has a 55 mm long ARCA rail on the underside of the front section, which was machined directly from the light metal support. The ARCA rail is ideal for placing the LR/One on a tripod, for example. The solid barricade stop on the underside of the 400 mm long, octagonal light metal handguard is the screwed connection element to the chassis. On the top is the 420 mm long mounting rail, milled out of the handguard, which offers plenty of space for additional equipment and extends over the top of the system box with a short section. The

The 4.8 kg Haenel LR/One, here with weight-increasing additional equipment in the form of an ERATAC block mount, a Steiner Military M5XI rifle scope 5-25x56 and a B&T Industries Altas PSR bipod.

Handguard with numerous M-LOK and NAR interfaces encases the 23"/600 mm long, cold hammer forged barrel with 20 mm outer diameter, 1-12" (1-305 mm) twist and M15x1 muzzle thread.
The Sy is also impressive in its construction
mige

self-centering into the light metal carrier when the two system screws are tightened. The contact surfaces between the bevels of the system sleeve and shaft are generously dimensioned, which means that the torsional forces are perfectly distributed into the shaft.

Technical data of the Haenel LR/One in .308 Winchester	
System:	Cylinder lock with three locking lugs that lock in the barrel extension
run:	600 mm long, cold-hammered match barrel with 20 mm outer diameter, 4 grooves/fields in right-hand twist, 1-12" twist and M15x1 muzzle thread
Shaft:	Light alloy chassis with rear AR-15 interface, 6-position AR-15 style stock, free-standing AR-15 pistol grip and octagonal M-LOK light metal handguard with ARCA rail
Magazine:	Plastic box magazine with a capacity for five cartridges
Deduction/ trigger weight:	direct deduction/ 1,250 grams
Backup:	Three-position safety on the bolt, acts on firing pin
Length:	1,070 to 1,150 mm
Weight:	4.8 kg
Price:	2,498 euros

View of the clean system bedding in the light metal chassis.

The solid and cleanly processed system sleeve in detail

The shooting machine from Suhl disassembled into its main components.

G·S·G

GERMAN SPORT GUNS

DIE GSG-9 FAMILIE

Action Meets Perfection

long weapon, through
insertion limitation

GSG-9 RIFLE

- caliber 9 mm Luger
- Fixed stock - limits the minimum length to 613 mm | 24.1"
- Adjustable two-stage trigger
- Manual backup
- High-precision, durable, hammer-forged barrel One-
- piece CNC-milled housing made of aircraft aluminum
- Ambidextrous elements
- Guided shutter
- M-LOK forend
- Optionally available thread adapter from M13X1 to M13.5X1LH or 1/2x28 UNEF Incl.
- 10-shot magazine

caliber	9mm Luger
magazine chapter	10 shots
barrel length	7.5"
twist length	250 mm
total length	613-715 mm
Weight	2,500 g

Art.No. 909.00.07

LUGER 9mm | EWB | MADE IN GERMANY | RRP€ 799,-

G·S·G PREMIUM BRANDS

GSG-9 SERIES

More information at www.germansportguns.de

on how low tolerances were used here. The five millimeter rigid recoil shield clamped between the system sleeve and the barrel was also free of play its chassis counter bearing. In the system case, behind the cartridge chamber, there are two gas vent holes sealed with plastic inserts, which are intended to direct the powder gases to the side in the event of a blow-through. The seals On the one hand, they protect against the ingress of dirt, but on the other hand, On the other hand, they also serve as indicators for the manufacturer in the event of any complaints. If the seal is loose, then it is very likely that this was caused by too much gas. Incidentally, the Haenel LR/

S

goodbye

The three-lug cylinder lock can be disassembled into its components with just one movement.

The standard plastic thumb rest on the chassis appears to have come from an FDM 3D printer.

The length-adjustable AR-15 telescopic shoulder rest has decent adjustment mechanisms, but was too wobbly for a long-range rifle for our taste.

The magazine with capacity for five cartridges is equipped with a feeder spring with moderate spring strength

GTM – GERMAN TACTICAL MOUNTS FROM EAW

- BRAND NEW
- EXTREMELY ROBUST
- UNBEATABLE FLEXIBLE

AN ORIGINAL BY

Locking lugs and 60 degree opening angle do their job.

direct manner

Even though the manufacturer promises a trigger pull weight of less than 1,000 grams for the direct trigger, we measured 1,250 grams on our test weapon. Nevertheless, we liked the trigger in practice very much due to its dry characteristics and it supported us in drilling holes precisely. The shotgun trigger offers

nachtr

The trigger is combined with a three-position safety wing on the bolt, which acts on the firing pin. In the front position, the LR/One is ready to fire, in the middle position the firing pin is blocked and the bolt can be opened, and in the rear position the firing pin and bolt are locked (transport safety).

At the shooting range

Perfectly equipped with ERATAC-

We took the Altas PSR bipod with the Haenel LR/One in .308 Winchester to the 100-meter indoor range. Here we tested the shooting performance with nine types of ammunition, including two hand loads, with bullet weights ranging from 147 to 180 grains.
According to the tester's taste, the riflescope was mounted a little too high in connection with the AR-15 shoulder rest. The stock, which sits on the support tube with a little play, unfortunately prevented absolutely minimal groups of fire.

The Steiner Military M5XI rifle scope 5-25x56 made precision work on the shooting range easier.

Shooting performance of the Haenel LR/One in .308 Winchester

bullet – Weight - Manufacturer - Type	laboratory	OAL (mm)	v_2 (m/s)	v_2i (m/s)	precision (mm)	Remarks on the Laboratory Works
147 GECO SG	GECO Sport factory cartridge	-	847	12	31	good training cartridge
155 Hornady BTHP	Hornady factory cartridge	-	782	11	27	training/match cartridge
168 Sierra HPBT	Federal Gold Medal factory cartridge	-	785	17	17	match cartridge
168 Berger HPBT	Federal Hybrid Hunter factory cartridge	-	809	4	30	hunting/match cartridge
168 RWS Scorion	RWS Target Elite Plus factory cartridge	-	771	8	22 (8)	match cartridge
168 Hornady ELD M	Hornady Match factory cartridge	-	794	4	36	match cartridge
168 Nosler HPBT	38 grs. Lovex D073.5	71.5	725	14	18 (10)	soft hand load
168 Nosler HPBT	39 grs. Lovex D073.5	71.5	755	16	32	100-meter standard load
180 Sellier & Bellot HPBT	Sellier & Bellot Match factory cartridge	-	776	5	14 (8)	match cartridge

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648) Abbreviations in caliber: HPBT = Hollow Point Boat Tail. BTHP = Boat Tail Hollow Point. SG = Target bullet. ELD M = Extremely Low Drag Match. The bullet velocity (v_0 in meters per second) was measured with a Garmin Zero C1 Pro. The precision check was carried out with a 5-shot group using a front Atlas V8 bipod and a rear sandbag support at the 100-meter distance. Sight: Steiner M5Xi 5-25x56 . The shot images refer to the furthest apart bullet hole centers.

below ten millimeters. However, outliers crept in due to the aforementioned minimal error source. As a result, the best dispersion circle with the Sellier & Bellot 180 grain HPBT match ammunition of 8 mm (4 shots) ultimately fell to 14 mm (5 shots). This continued. With our hand-loading with 38 grains of Lovex D073.5 propellant and 168 grains of Nosler HPBT match bullet, we shot a group of 4 of 10 mm, with the full 5-shot

With the te Plus we managed to achieve an 8 mm spread after four shots, and the final 5-shot spread increased by a generous 14 mm to 22 mm. All other results can be found in the table. In the test, the dry trigger and the silky smooth repeating process impressed us.

caliber conclusion

Apart from the slightly wobbly shaft – a minor flaw that, as described, can be fixed in no time at all.

A range rifle from this prominent stable across the board. It is of top quality inside and out and cleverly constructed, with the dry trigger and buttery smooth repeating mechanism impressing. For the price of just under 2,500 euros, you get a lot of weapon for little money from a German premium manufacturer.

Further information at:
www.cg-haenel.de

Also m

ext:

photos:

The light meta **uipment.**

The M15x1 muzzle thread is delivered with a cover plate. A flash hider is not installed at the factory.

B&H WAFFEN HANDEL
SHOOTING EXPERTS

STP®
SPORT TARGET PISTOL by Prommersberger

• Made in Germany: Highest manufacturing quality, hand-fitted by skilled gunsmiths for maximum precision
• The exchange system can be acquired without "need": only a pre-entry of . 45 cars is necessary

MANY STP WEAPONS AVAILABLE FROM STOCK!

STP TM 6.0
Caliber variants:
• 9 mm Luger
• . 45 cars
away 2,999 €
plus postage

STP TM 28
Caliber variants:
• 9 mm Luger
• . 45 cars
away 3,249 €
plus postage

· Barrel length: 6 inch · Nill handle "Match-German-
ing fitted exchange system in caliber 9 mm Luger as a set
with Nill grip plates (optional) under 1300 g (BDS weight limit compliant)

www.bh-waffen tel. 04221 981 69 16 verkauf@bh-waffenhandel.de messenger 0151 61 68 36 40

Weapons and ammunition may only be sold to holders of a eligibility to work

B&H Waffenhandelsgesellschaft oHG·Schönemoorer Landstraße 6·27777 Ganderkesee

Bigger is better?

If you are tired of the flood of polymer pistols in the dominant 9 mm Luger caliber, you have come to the right place. We have taken a closer look at the young SIG Sauer P320 XTEN in the 10 mm Auto hammer caliber and the P320 Compact in the traditional US .45 Auto caliber and also examined terminal ballistics

Big-Bore-Brothers: SIG Sauer P320 XTEN in 10 mm Auto with 5"/127 mm barrel, equipped with SIG Sauer Electro-Optics-L P320 Compact in .45 Auto with 3.9"/100 mm barrel (below).

It is considered the chameleon of modern pistol construction: the SIG Sauer P320. Hardly any other polymer pistol has as many faces as the service pistol that appeared on the market around ten years ago. Equipped with an additional manual safety, it has been the service pistol of the American armed forces since 2017 as the M17/M18. The highlight: With the P320, the encapsulated trigger unit, which is relevant under firearms law, can be used in various grips that are freely available from us. The frames are available in different dimensions and a variety of materials such as polymer, tungsten-reinforced and heavy-weight polymer as well as light metal and, more recently, steel. With the Tungsten Infused Grip Module (TXG), SIG Sauer has earned its place as a technology leader, as it is the first mass-produced grip that is produced by incorporating tungsten into the polymer base material increases the weight and is still easy to manufacture. The AXG models also offer light metal grips, which we believe represent an interesting compromise between good feel and portable weight. Brand new and already on our wish list is the P320 XFive SXG, which is based on a solid steel grip and thus makes the hearts of sports shooters beat faster. For example, you could use the modular pistol in a sporty configuration with a heavy tungsten TXG grip during the day at the shooting range and in the evening do the rounds with a shorter, lightweight polymer grip. The SIG Sauer P320 is available in 9 mm Luger, 10 mm Auto and .45 Auto calibers in barrel lengths from 3.7"/94 mm to 5"/127 mm. In the Custom Works and Legion series you will also find

The deeply tilting barrels require a slightly oval bore in the bolt.

Technical data

	SIG Sauer P320 Compact	SIG Sauer P320 XTEN
Caliber:	. 45 cars	10 mm car
Magazine capacity:	9 cartridges	15 cartridges
ri t :	polymer	
he l :	steel, black coated	
a nge profile:	100 mm/6x field train	127 mm/6x field train
rear sight:	with white, non-luminous dot inserts, 3.9 mm	
Grain:	ramp front sight, 3.55 mm	
length:	155 mm	180 mm
i er ng:	automatic firing pin safety	
good ge it :	SA, 2,239 grams	SA/1,806 grams
ea tge it (in l Maga in):	808 grams	935 grams
Ma e ( ) :	215x35x142 mm	215x35x142 mm
tra :	hard shell case with reserve magazine	
rei :	1,199 euros	1,289 euros

* Average of 10 measurements with the Manthei-Trigger Scan System

Special P320 models such as the P320 AXG Legion, P320 MAX (named after the IPSC/action top shooter Ax Michel), P320 XFive DH3 or P320 pectre Comp Blackout with compensator. In addition, you can put together your own individual P320 weapon as part of the Custom Works project. However, not all grip and bolt sizes can be combined with one another. The SIG 320 con gurator at: www.sigsauer. om/ con gurator/p320 provides information about what goes with what. Unfortunately, only a small part of the product portfolio reaches Germany. What is available here can be found in the GSG Custom Shop at www.german-sport-guns.com.

The King is Dead, Long Live the King

Around two years ago, SIG Sauer launched the P320 XTEN to provide a platform for the hype that was once again building up in the USA around the 10 mm Auto power cartridge. A few years ago, the resulting .40 Smith & Wesson was considered the ideal compromise between target ballistic effect, controllability and magazine capacity. Today, the ".40 Short & Weak", also known as the "short & weak", has completely disappeared from the range of many handgun manufacturers.

arke 10 mm car is making a comeback. today again more factory ammunition in 0 mm Auto than a few years ago, that some people are using the cartridge favored by Combatapst Jeff Cooper could potentially be weak. A full-size P320 XTEN with 5“/127 mm length and a magazine capacity of 15 cartridges is certainly an interesting A good candidate. In the USA there is also a version with a 3.8"/97 mm barrel and a compensator integrated into the slide. Our full-size version eight with a length of 216 mm and a weight of around 50 grams lives up to its name. In view of the robust cartridge, a version with a heavy G-Tungsten grip would certainly be desirable. Unfortunately, this grip frame is not available for the long 10 mm/.45 auto cartridges. The XTEN comes with a cutout for a red dot sight and uses the footprint of the eupold DeltaPoint, which the SIG Sauer red dot sights also use. Unthinkable in our latitudes, but partially practiced in the USA, hunting with a

the handgun. The XTEN in 10 mm Auto with its long barrel and ballistic yield would be quite usable. German Sport Guns also supplied the in-house red dot sight Romeo 1 Pro. The shape of the X Series grip is kept flat and with a top

The grip is provided with a surface structure that extends far up and offers a good compromise between grip and protection of clothing when carried concealed. With a width of around 34 mm, even shooters with medium-sized hands should be able to handle the grip well. The trigger weight of around 1,800 grams with a slight creep is fine in our opinion. The sheet steel magazines hold 15 cartridges, although the last cartridge needs a lot of pressure with the thumb to be packed into the magazine. However, it is also difficult to engage when the bolt is closed. Most users will get by with 14+1 cartridges.

Little One with Big Mouth

The SIG P320 Compact is the answer for anyone looking for a handy .45 with compact dimensions. With a total length of around 215 mm and a weight of 808 grams,

A technical highlight of the P320 series is the Fire Control Unit (FCU), which also bears the serial number. The trigger unit can be easily installed in different grip modules made of different materials and with different dimensions.

They still have room for 9+1 cartridges. The standard grip with a thumb rest is a bit more convex and, as a compact version, shorter. Anyone who, like the author, has a glove size of 12, cannot avoid spreading out their little finger when changing the magazine, otherwise it will pinch. Unfortunately, SIG Sauer has not developed any other change-over device for this model with the larger magazine slot for the long cartridges.

selgriffstück in the program. Our test weapon does not have a slide cutout for a red dot sight. In the future, the compact version in .45 Auto will only be available with such an interface. Incidentally, it is the only P320 model that is set up for the original American .45 Auto. The full-size version with a barrel length of around 120 mm and 10+1 cartridges has already been taken out of the program. But this also shows that

Available in all ALLJAGD specialist stores and at ALLJAGD VERSAND GmbH
PO Box 11 45 • 59521 Lippstadt • Tel. 02941 / 974070 • Fax 02941 / 974099 • info@alljagd.de
WWW.ALLJAGD.DE

leadership a he o pa t in to								
eo eit er teller p For	a orier ng Quantity (gr) he plate places	OAL ( )	v3 ( )	factor	MIP	energy (o le)	ri ion Medium ( )	e er ngen en a orier ngen
185 Speer JHP FP	Gold Dot factory cartridge	-	288	175	345	497	37	light defensive loading
220 Hornady MonoFlex JHP	Critical Duty factory cartridge	-	289	209	412	595		hammer charge – 600 joules
230 Geco LRNCP RN	Geco factory cartridge	-	223	168	332	371		with copper-plated bullet
230 Geco JHP FP	Geco factory cartridge	-	232	175	346	401	60	moderate recoil
230 S&B JHP FP	S&B factory cartridge	-	241	182	359	433		otherwise more precise
230 Speer JHP FP	Gold Dot factory cartridge	-	241	182	359	433		proven defensive cartridge
230 Speer TMJ RN	5.0 Hodgdon Titegroup	32.0	228	172	340	387		copy of Hardball-Laminating

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). Energy = calculated, based on the v3based bullet energy in Joules. Abbreviations in caliber: FMJ = Full Metal Jacket. FP = Flat Point. JHP = Jacketed Hollow Point. OAL = Overall Length. RN = Round Nose. Test setup: The bullet velocity (v3in meters per second) was measured with a Mehl BMC 19 system. The precision check (average of two 5-shot groups) was carried out from the sandbag support at a distance of 15 meters. The shot patterns refer to the shot hole centers that are furthest apart. The values in brackets indicate the precision without any outliers. All hand-loading in GECO cases with Federal 150 primer and ¼ taper crimp. All loading information is without guarantee. Each reloader acts independently according to the law!

This cartridge is no longer so popular even in the home country. With a measured trigger weight of around 2,200 grams, the trigger of the fully pre-loaded firing pin lock is at the typical level of a service pistol. The mechanical sights have white contrast dots, as with the XTEN. The sights with tritium inserts installed in the USA fail here because of the exaggerated and senseless rays.

The P320 Compact can also be converted to 10 mm Auto or 9 mm Luger with an interchangeable system, which can be purchased from us free of charge with the corresponding base weapon in .45 Auto.

At the shooting range

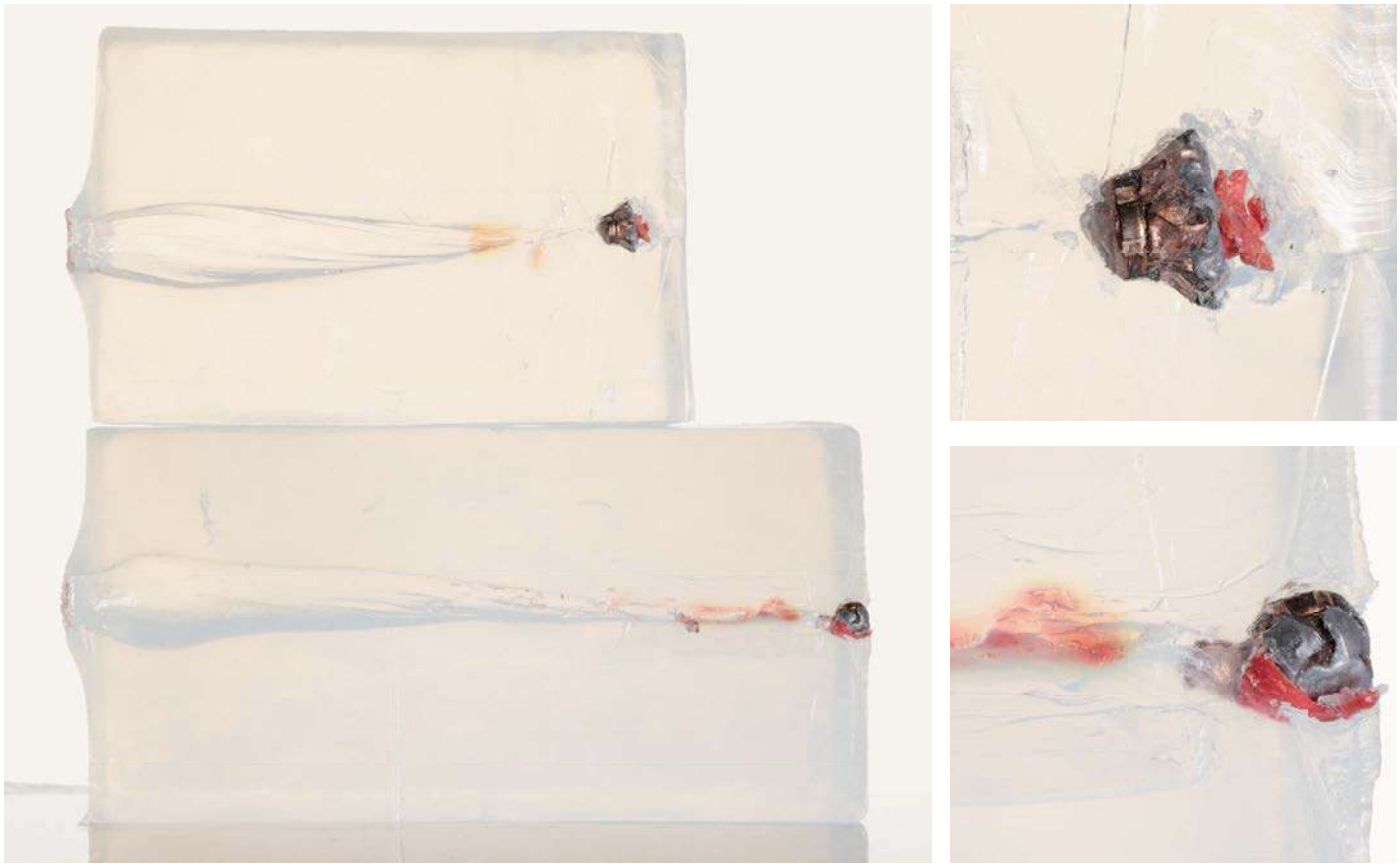
The P320 XTEN was designed for precision testing at 25-meter distance

Grains should be used. The mounted Romeo 1 Pro red dot sight with an extremely clean, sharply defined 6-MOA dot (44 mm at 25 m) proved to be ideal for controlling the shooting performance. The soft PPU 170 grains JHP won the race with 52 mm, followed by our hand-loading with the 200 grains Hornady XTP (55 mm) and the PMC 170 grains JHP factory cartridge (60 mm). For a high-performance

strong polymer frame utility pistol

d the quite satisfactory

P320-F



Clean stuff – target ballistic tests in soap: Above, the permanent firing channel of the .45 Auto with the Hornady 220 grains Critical Duty. The bullet reached a penetration depth of 22 cm and mushroomed to around 19 mm. The spirals left by the rotating projectile in the soap are clearly visible. The 10 mm Auto (below) reached a penetration depth of 30 cm with the 175 grains Critical Duty and only stopped in the last centimeter. The bullet mushroomed to around 13 mm.

leadership a he in to								
eo eit er teller p For	a orier ng Quantity (gr) he plate places	OAL ( )	v3 ( )	factor	MIP	energy (o le)	ri ion Medium ( )	e er ngen en a orier ngen
170 PMC JHP FP	PMC factory cartridge	-	328	183	593		60	no longer in production
170 PPU JHP FP	PPU factory cartridge	-	296	165	483			soft – at .40S&W level
175 Hornady Flex Lock JHP	Critical Duty factory cartridge	-	343	197	667		73	proven defensive line
180 Federal FMJ FP	American Eagle factory cartridge	-	325	192	616			with small pistol primers
180 S&B FMJ FP	S&B factory cartridge	-	339	200	670			crisp but controllable
180 Hornady XTP FP	Hornady Custom factory cartridge	-	374	221	816			hammer charge – 816 joules
200 Hornady XTP FP	8.0 Hodgdon Longshot	31.8	338	222	740			copy of the old Norma original laboratory

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). Energy = calculated, based on the v3based bullet energy in Joules. Abbreviations in caliber: FMJ = Full Metal Jacket. FP = Flat Point. JHP = Jacketed Hollow Point. OAL = Overall Length. Test setup: The bullet velocity (v3in meters per second) was measured with a Mehl BMC 19 system. The precision check (average of two 5-shot groups) was carried out from the sandbag support at a distance of 25 meters. The shot images refer to the shot hole centers that are furthest apart. The values in brackets indicate the precision without any outliers. All hand-loading in Hornady cases with Federal 150 primer and ¼ taper crimp. All loading information is without guarantee. Each reloader acts independently according to the law!

Results. When firing the cartridges, it became clear what a wide range of performance the 10 mm Auto, which was released in 1983, has. While the PPU 170 JHP was at .40 S&W level, the Hornady 180 Grains XTP delivered a lot of energy with over 800 joules. The comparatively high bore axis of the P320 series also means that there is a corresponding rotational movement. There were no malfunctions and the mini red dot sight

nitions apparently without any injuries. With the compact .45 Auto we switched to the 15-meter distance. Here too, with seven loads, two 5-shot groups were to serve as the basis for evaluation.

The most precise load proved to be the medium defensive load in the form of the 185 grain Speer Gold Dot with 37 mm. In second place was the robust 220 grain Hornady Critical Duty with 40 mm and in third place a copy of a typical hard-

Speer TMJ bullet and 43 mm. The compact .45 also did not allow itself a single malfunction. The harder loads kick quite well in both .45 and 10 mm Auto, something you should be aware of when buying a polymer weapon in such high-impulse calibers. Anyone who is now only thinking of a few shots in the case of a possible kill shot should keep in mind that you should also train with your tools. This can be difficult with such calibers.

Qualität ist unsere Spezialität

ALLJAGD

Alljagd Topstar 9 mm Luger
Vorteile auf einen Blick:
- Hohes Qualitätsniveau
- Ständige Produktionskontrollen
- Hochwertige Komponenten
- Sichere Funktion
- Quecksilberfreie Zündsätze
- Hohe Eigenpräzision
- Knallhart kalkulierter Preis
- Originalkarton 1.000 Stück

Art.-Nr.	Bezeichnung	Kaliber	Geschoss	Preis per 1.000er Pack / 2.000er Pack	
4500558	Alljagd Topstar	9 mm Luger	Vollmantel 8 g	315,- €	590,- €

ACHTUNG. Gefahr durch Feuer oder Splitter, Spreng- und Wurfstücke. Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellen fernhalten. Nicht rauchen.

Alljagd Topstar .22 lfB
Die preiswerte Universalpatrone
KK-Patronen für Training und Wettkampf.
Technisch exzellente Fertigung aus dem Hause RWS.

Art.-Nr.	Bezeichnung	Kaliber	Preis per 50er Pack / 1.000er Pack / 5.000er Pack		
4500408	Alljagd Topstar	.22lfB	8,50 €	146,- €	695,- €

HINWEIS:
Mengenstaffeln erfragen Sie bitte tagesaktuell bei Ihrem Alljagd-Fachhändler.

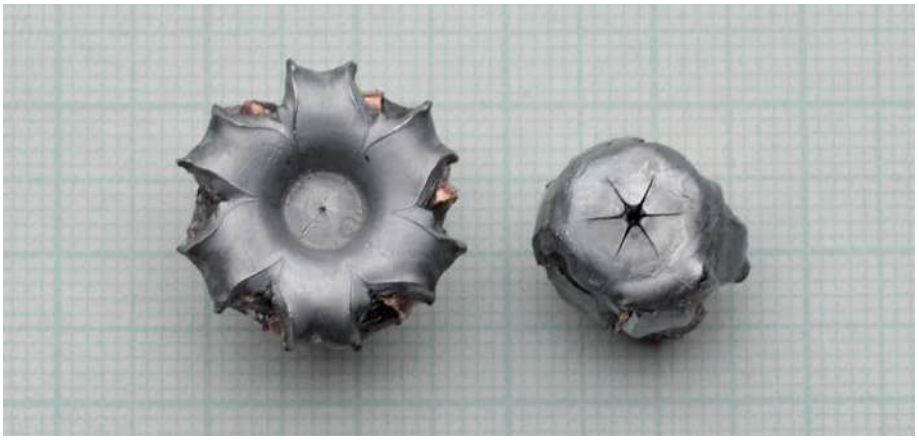
Erhältlich in allen Alljagd-Fachgeschäften. Alljagd-Versand GmbH | Postfach 1145 | 59521 Lippstadt | Tel. 02941 974070 | Fax 02941 974099 | info@alljagd.de | Verkauf nur an Berechtigte.

www.alljagdhaendler.de

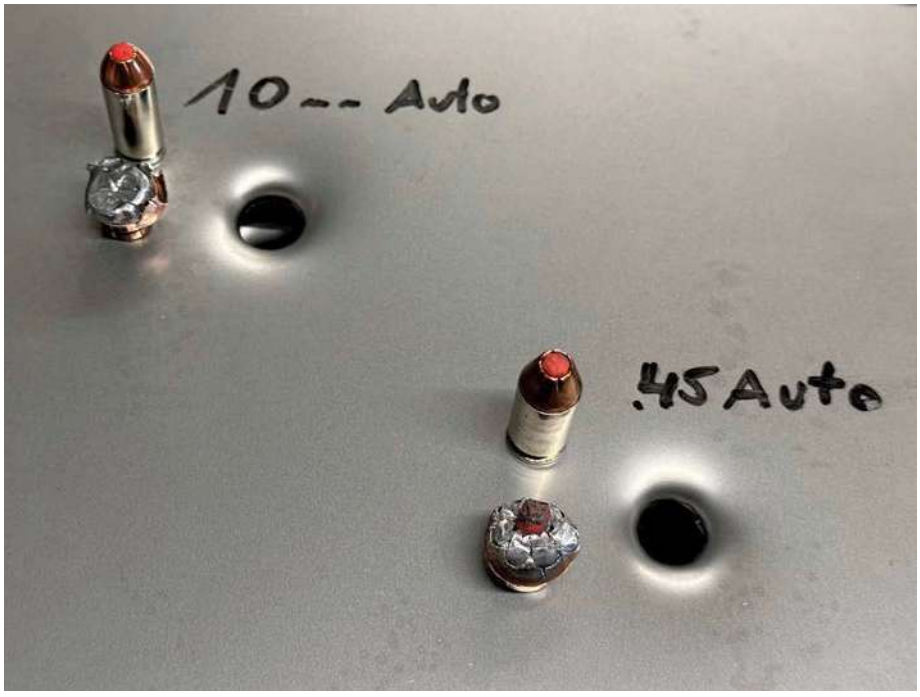
Soaped up!

Because the international market is currently offering more 10 mm Auto pistols and ammunition types than it has for a long time, we would like to briefly outline the advantages and disadvantages compared to the .45 Auto. The 10 mm Auto has the biggest advantage over the .45 Auto in terms of performance and magazine capacity. It can easily be boosted to 800 joules, while the .45 Auto reaches its limit at around 550 to 600 joules due to the lower gas pressure. Reloaders can adjust the 10 mm Auto to their personal needs with bullet weights of 135 to 200 grains. As a rule, the magazine is filled one to two times.
for the

The disadvantage of the 10 mm Auto is that you don't know how long the second spring will last and what the supply of factory ammunition will be like in the future. If you don't reload, you can quickly be affected by shortages. You don't have to worry about that with the .45 Auto. Although the former US Army caliber is no longer in such demand for new weapons, the stock of old weapons is so high that the industry produces enough ammunition in this caliber. The .45 Auto also offers the advantage of always operating in the subsonic range and offers enough cross-section even with a bullet that does not expand or only expands insufficiently. We wanted to see how



The
the 10 m



There was a stalemate during the sheet metal register firing. Both projectiles penetrated four of the 1 mm thick steel sheets.

Soap. This makes it easy to make the permanent firing channel visible and to easily measure the volume. The Hornady Critical Duty is an excellent defensive cartridge that we can also use for the finishing shot. Hornady offers this cartridge in the calibers 9 mm Luger, .357 SIG, .40 S&W, 10 mm and .45 Auto. The 10 mm Auto with a bullet weight of 175 grains left the barrel at around 340 m/s, which corresponds to around 670 joules. The bullet mushroomed to 13 mm and came to a stop exactly at the end of the 30 cm long soap block. The .45 Auto Critical Duty comes with an unusual bullet weight of 220 grains. At around 290 m/s, it delivers a whopping 600 joules from the short
uf. As expected, the final position was reached after a short distance of 22 cm. We were amazed when we recovered the bullet from the soap. With a remarkable 9 mm diameter, it corresponds to the
The size of a 10 cent coin. Hornady technicians in the laboratory have
Work has been done and the low gas pressure cartridge has been given as much as possible. In terms of cavity volume, the 10 mm auto has 110 cm^3 thanks to the long, running duct, and the 45 Auto has 79 cm^3. The 10 mm Auto ultimately has more penetration depth and cavity volume to offer, the performance values of the .45 Auto
With the Hornady Critical Duty, however, it was remarkable, especially with regard to the short barrel length of the test weapon, that it somewhat distorted the ballistic comparison.
deleted.

caliber conclusion

If you are looking for a versatile SIG Sauer P320 with more power than in 9x19 caliber, you may find the two otagonists are lucky. Which caliber you choose depends a little on your personal preferences. The 10 mm auto does offer more power, but it could quickly disappear from the ammunition shelves in the next few years. You don't have to worry about that with the .45 Auto. The P320 XTEN goes for 1,289 euros,
The handy P320 Compact is available for 1,199 euros.

See also: www.sigsauer.com and German distribution www.germansportguns.de

Text: Tino Schmidt/Stefan Perey
Photos: Dieter Licht

RWS

Defence & Law Enforcement

ENFORCE TAC

INTERNATIONAL EXHIBITION & CONFERENCE

AMMO SYMPOSIUM

25.2.2025 | 9:30 – 16:00 UHR

FACING THE AMMUNITION PROCUREMENT CHALLENGE IN UNCERTAIN TIMES: STRATEGIES, SOLUTIONS, JOINT PLANNING AND SUPPLY

WEITERE INFORMATIONEN | ENFORCETAC.COM

ONE GOAL
ONE SHOT
ONE CHOICE

ACTION 4 / ACTION 5 / ACTION 6 / ACTION SE

RWS GmbH – Ihr verlässlicher Partner in Einsatz, Training und Simulation.
Als führender Hersteller innovativer Munitionstechnologie entwickeln und bieten wir kleinkalibrige Standard- und Spezialmunition für eine Vielzahl professioneller Anwendungen. Präzise, zuverlässig und sicher. Gemeinsam mit Ihnen erarbeiten und finden wir die besten Lösungen für Ihre heutigen sowie zukünftigen Herausforderungen.

BDT RWS GmbH is part of the Beretta Holding Group and member of the BDT alliance.

Diese Anzeige dient der Darstellung unseres Unternehmens. Abgabe ausschließlich an behördliche Abnehmer.

RWS GmbH / info@rws-tech.com / www.rws-technology.com

Old World vs. New World

The Pro Varmint from the traditional Austrian manufacturer Steyr comes from the "old world" of Europe, and the American Rifle Gen II Predator from the giant Sturm, Ruger & Co. comes from the "new world" of the USA. Both modern repeaters are very similar at first glance, but are very different in detail.

The basic ingredients of the two hunting rifles with their attractive design are identical: cylinder bolt, fluted 56 cm barrel and adjustable synthetic stock. Nevertheless, the brand new Ruger American Ri e Gen II Predator is available for under 1,000 euros, while the tried and tested Steyr Pro Varmint costs three times as much. How does this price difference come about?

Ruger American Ri e Gen II in detail

In 2011, the extremely affordable Ruger American Ri e bolt-action rifle was successfully launched on the market and the second, improved generation has been available since 2024. Visually, the Ruger American Ri e Gen II in the Predator version is definitely a real treat. This is mainly due to the green Synthetic stock with black and bronze speckles and the "Burnt Bronze" Cerakote finish on the metal parts. Those who prefer something simpler will certainly like the standard version with a dark gray synthetic stock and "Gun Metal Gray" Cerakote finish nd, which is identical in price. Rigorously efficient manufacturing methods make the almost unbelievable "low budget" price of this rifle possible. For example, there is no longer a classic recoil shield on the underside of the system casing, but instead four milled recesses in the immediate vicinity of the two system screws. This milled quartet creates a prism, which centers the system in the stock and all forces occurring during the shot are diverted into the stock. The prism counter bearing integrated into the stock is made of metal. The trigger components and other small parts come from the Metal injection mold, which can be seen from the separating seams in the middle of the respective components. The direct trigger, which can be adjusted in a trigger weight range of 1,360 to 2,270 grams, fired on our test weapon at a factory setting of 1,930 grams with quite usable characteristics. Compared to the first Ruger American Ri e, the Gen II now has a three-position instead of a two-position sliding safety on the stock neck with an additional transport lock (chamber lock). The safety does not work silently, although the safety mechanism, which is delivered completely dry, can tolerate a drop of oil or some grease, which already contributes significantly to reducing the noise. Our test weapon in .223 Rem. (as well as the models in the calibers .22 ARC, 6 mm ARC, 6.5 Grendel as well as .350 and .450 Legend) are fed with AR-15 magazines, so that the magazine release mechanism with push-button of the AR self-loading rifle was transplanted into the repeater with an adapter.

Generation change: The brand new Ruger American Rifle Gen II Predator with fluted 22"/560 mm barrel, 1-8" twist as well as ½"x28 UNEF muzzle thread and muzzle brake.

The other Ruger American Rifle Gen II Predator rifles in the calibers 6 mm Creedmoor and 6.5 Creedmoor, .204 Ruger, .243 Winchester, .308 Winchester or 7 mm-08 Remington are loaded with AICS-style box magazines, with a magazine release lever in front of the trigger guard front. The magazine capacities of the Gen II rifles with AR or AICS box magazines vary from three to five to ten cartridges depending on the caliber. The stock has also been modified in the second generation so that the distance between the cap and the trigger (length of pull, LOP) can now be varied. If the factory-fitted spacer is removed, the stock length changes from 350 to 305 mm. Additional spacers can be purchased. The cheek rest is also available in different heights. However, there are no tool-free quick adjustments here, but you have to dismantle the buttstock with tools for individual adjustment work. To change the cheek piece

The rear (horizontally inclined and not vertical) sling swivel eyelet is loosened, which creates a gap in the butt plate and allows the mounted cheek piece to be removed. The

Installing or removing spacers to adjust the shaft length is not particularly time-consuming or complicated.
In contrast to the Savage "AccuFit" plastic stock, where the intermediate layer

Austrian elegance: The Steyr Pro Varmint with fluted 22"/560 mm barrel, 1-9" twist and 5/8"žx24 UNEF muzzle thread comes without a factory-mounted muzzle attachment.

The 4-lug bolt of the Steyr (above) and the 3-lug bolt (below) of the Ruger (below). Both have generously dimensioned controls on the bolt handles for safe, fast reloading.

While the cheek pieces and stock cheek pieces are always included in the scope of delivery, the interchangeable module components for the American Rise Gen II can only be purchased optionally for an additional charge. The "Combo Riser Kit" (stock cheek pieces) costs 31.90 euros, the "LOP Spacer Kit" (intermediate layers) costs 47.90 euros and a "Stock Weight Kit" (additional weights up to a maximum of 725 grams for the stock) costs 89.90 euros. Tuning and retrofitting components such as a Timney match trigger are already available for the Gen II.

Steyr Pro Varmint in detail

Anyone who wants to own perfection straight out of the box will have to dig deeper into their pockets. During the meticulous examination of the repeater from Austria, which is equally suitable for the hunting grounds as well as the shooting range, the Steyr Pro Varmint, made of the best materials, showed an impeccable, high-quality

connected

The system fitted into the stock without any tolerances and provided a play-free connection between the system and the stock. If you look at the immaculate two-stage trigger unit with components machined from solid material and a measured trigger pull weight of 1,100 grams with highly refined characteristics, you will discover greased sliding surfaces for the safety, which is one reason why it can be operated almost silently. The three-position safety on the stock neck is equipped with a bolt handle and firing pin lock. The cold-hammer-forged Steyr barrels have always been known for their excellent shooting performance. The fluted stainless steel barrel with "heavy barrel" contour and large5/8"x24 UNEF muzzle thread for the silencer mounting of our test specimen was no exception, which was to be proven by later testing. In contrast

he
he

The underside is flat, which means more surface area and more stability when shooting from a sandbag without compromising on the handling of this hunting rifle. The Steyr also has a continuously adjustable cheek piece, which significantly increases comfort. When empty and without additional equipment, the Steyr is around 760 grams heavier than the Ruger.

At the shooting range

On the top of the system of both rifles are long, one-piece, light metal optics mounting rails, which we used to mount the identical GPO Spectra 4.5-27x50i rifle scope. The two all-round repeaters were fired with eight identical types of ammunition using a rear sandbag mount and a mounted bipod, so that the same test conditions were created. In practice, the Steyr Pro Varmint

View of the three-position safety with bolt lock/transport blockade of the Steyr (left) and Ruger (right). Ruger only switched to this safety type with the Gen II.

The AR-15 magazine of the Ruger (left) and the in-house cartridge container of the Steyr (right). Manual reloading of the Ruger is made even more difficult by the strong magazine spring of the magazine designed for semi-automatic rifles.

System bedding and system sleeve of the Ruger American Rifle Gen II Predator.

System bedding and system sleeve of the Steyr Pro Varmint.

ONE SHOT
PASSION

ROSA 6.0

All STP weapons
can be found on
www.stpgun.de

STP®
SPORT TARGET PISTOL by Prommersberger

We also sell to resellers
Delivery only to holders of a purchase permit

33caliber 1/2015

Shooting performance of the Ruger American Rifle Gen II Predator in .223 Remington					
bullet – Weight - Manufacturer - Type	laboratory	v_2 (m/s)	v_2i (m/s)	precision (mm)	Remarks on the Laboratory Works
52 Hornady BTHP	Hornady Match factory cartridge	945	13	15	universal match cartridge
52 Sierra HPBT	Remington Premier Match	938	8	16	all-round match cartridge
52 RWS Scorion	RWS Target Elite Plus factory cartridge	991	17	24	fast match cartridge
55 Hornady FTX	Hornady factory cartridge	949	11	30	precise and fast hunting cartridge
55 Nosler ETEF	Nosler factory cartridge	934	7	33	lead-free hunting cartridge
62 Federal SP	Federal factory cartridge	885	19	34	standard hunting cartridge
69 Lapua Scenar	Lapua Match factory cartridge	797	18	12 (6)	soft match cartridge
69 Lapua Scenar	24.0 grs. Lovex D073.6	865	10	35	universal hand loading

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). All hand-loaded in Remington cases with a Small Rifle RWS primer and a trim length of 44.5 mm. Abbreviations in caliber: FTX = Flex Tip eXpand. HPBT = Hollow Point Boat Tail. FMJ = Full Metal Jacket. ETLF = Expansion Tip Leap Free. SP = Soft Point. The bullet speed (v0 in meters per second) was measured with a Garmin Xero C1 Pro. The precision check was carried out with a 5-shot group using a bipod and a rear sandbag support at a distance of 100 meters. Sights: GPO Spectra 4.5-27x50i. The shot images refer to the shot hole centers that are furthest apart. The values in brackets indicate the precision without any outliers.

Technical data of the test rifles		
Model:	ger eri an ie en re ator	Steyr Pro Varmint
System:	Cylinder lock with 3 locking lugs, which lock in the system sleeve	Cylinder lock with 4 locking lugs, which lock in the system sleeve
run:	560 mm long, spirally fluted barrel with 1-8" twist, ½x28 UNEF muzzle thread and muzzle brake	560 mm long, fluted barrel with 1-9" twist, 5/8x24 UNEF muzzle thread and cover cap
Shaft:	Plastic stock, with tools and interchangeable modules, adjustable buttstock length and cheek piece height	plastic stock with continuously adjustable cheek rest
Magazine:	AR-15 plastic box magazine with a capacity for 10 cartridges	box magazine with a capacity for 4 cartridges
Deduction:	Adjustable direct trigger, measured trigger weight 1,930 grams	pressure point trigger, measured trigger weight 1,100 grams
Backup:	three-position safety with bolt lock on the piston neck, acts on the trigger	three-position safety with bolt lock on the piston neck, acts on the firing pin
Length:	1,101 mm	1,110 mm
Weight:	3,040 grams	3,800 grams
Price:	939 euros	3,168 euros

The long, one-piece Picatinny rails on the top of the system allow a lot of flexibility in the choice and installation of the optics. The GPO Spectra riflescope 4.5-27x50i, which costs 1,299 or 1,399 euros depending on the reticle, has a lot to offer.

This is also due to the different magazine types. The Ruger AR magazine is designed for semi-automatic rifles and therefore has a stronger magazine spring. The shooter has to overcome the higher spring force that acts on the cartridges when repeating. Anyone who wants a smoother repeating process with the Ruger should perhaps shorten the magazine spring. The best shot pattern of the Ruger American Ri e Gen II Predator was 12 mm (Lapua 69 grains Scenar Match Fabrik). The Steyr Pro Varmint punched a 10 mm circle into the target with the fast RWS 52 grains Target Elite Plus. In the calculated average precision value, the Austrian was ahead with 17.8 mm compared to the North American's 21.0 mm. All results can be found in detail in the table.

n can be taken.

caliber conclusion

With the new Ruger American Rifle Gen II editor for 939 euros, you really get a lot of weapon for little money", whereby with a few subsequent tuning measures (shortening the magazine spring, greasing the trigger/safety unit) the performance can be improved.

ng can be increased. The high-quality eyr Pro Varmint, which is much better processed in detail, leaves a lot to be desired "out of the box". However, you have to

The elegant, sleek beauty also costs 3,168 euros. As always in life, it's a question of taste and wallet.

Both test weapons were kindly provided to us by the wholesaler AKAH, see also www.ruger.com, www.steyr-arms.com and www.akah.de

Text: Stefan Perey, Michael Fischer
Photos: Michael Fischer

Shooting performance of the Steyr Pro Varmint in .223 Remington					
bullet – Weight - Manufacturer - Type	laboratory	v_2 (m/s)	v_2i (m/s)	precision (mm)	Remarks on the Laboratory Works
52 Hornady BTHP	Hornady Match factory cartridge	933	12	20	universal match cartridge
52 Sierra HPBT	Remington Premier Match	921	8	16	all-round match cartridge
52 RWS Scorion	RWS Target Elite Plus factory cartridge	986	5	10	fast match cartridge
55 Hornady FTX	Hornady factory cartridge	946	12	25	precise and fast hunting cartridge
55 Nosler ETEF	Nosler factory cartridge	896	14	25	lead-free hunting cartridge
62 Federal SP	Federal factory cartridge	880	7	20	standard hunting cartridge
69 Lapua Scenar	Lapua Match factory cartridge	798	6	16 (6)	soft match cartridge
69 Lapua Scenar	24.0 grs. Lovex D073.6	831	11	11 (7)	universal hand loading

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). All hand-loaded in Remington cases with a Small Rifle RWS primer and a trim length of 44.5 mm. Abbreviations in caliber: FTX = Flex Tip eXpand. HPBT = Hollow Point Boat Tail. FMJ = Full Metal Jacket. ETLF = Expansion Tip Leap Free. SP = Soft Point. The bullet speed (v0 in meters per second) was measured with a Garmin Xero C1 Pro. The precision check was carried out with a 5-shot group using a bipod.

5-2

Schusslo

AccuBull

The Next Level

Designed for competition

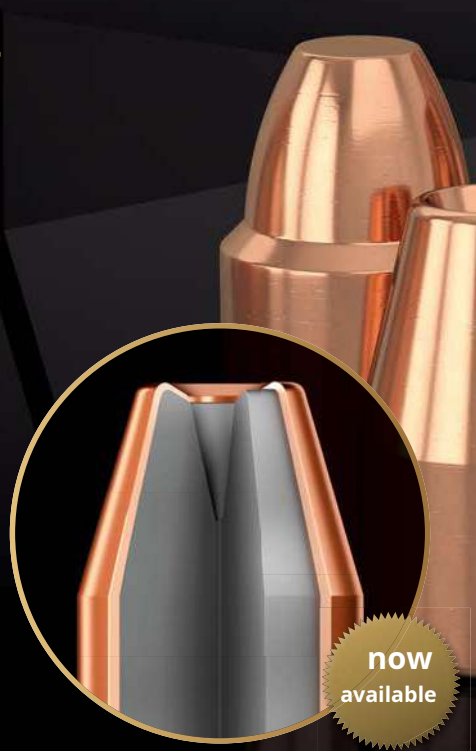
The lead bullet coated with a thick layer of copper offers the highest level of precision and performance. Pressed into shape after the coating process, it has clearly defined edges and the smallest tolerances in dimensions and weight.

Reliable feeding

The new bullets have a shape that ensures reliable feeding of the cartridges in automatic pistols.

No lead exposure

The base of the bullet is completely covered with copper – this reliably prevents the lead core from melting.



H&N *Unsurpassed precision made in Germany*

www.hn-sport.de

From experts and wild cats

The renowned US manufacturer Winchester has relaunched the two repeating and self-loading small-caliber rifles Xpert and Wildcat. Both models are not “Made in the USA”, but

At least in their home country, Winchester Repeating Arms from Morgan, Utah, offers both types of rifle in countless configurations with different plastic and wooden stocks and in two barrel lengths: 16.5"/420 mm and 18.1"/460 mm. The Xpert repeating rifle is chambered in .22 Long Rifle as well as .17 Winchester Super Magnum. The cartridge, developed in 2012, accelerates a 20 grain/1.3 gram heavy res 4.5 mm bullet at 910 m/s. The German importer Albrecht Kind GmbH (AKAH) has the rifles with the grey synthetic stock in both barrel lengths in its range, although we tested the two models with the shorter barrel.

technical differences

The Xpert bolt action rifle is based on a steel system sleeve with a screwed-on optics mounting rail made of light metal. The barrel, which is fixed in the system box with a Bentz match bearing and 1-16" twist, has a diameter of 19 mm at the barrel root and tapers to 16 mm at the muzzle. The adjustable rear sight is covered by the Picatinny rail and can only be used as a back-up sight with the ramp front sight, for which the Picatinny rail must be removed. The line of sight is not exactly generous at 330 mm, which is negligible because most users

Winchester self-loading Wildcat (above) and Winchester repeater delivered with mechanical sights.

which can be fitted with an optic anyway. The semi-automatic Wildcat, on the other hand, has a plastic system box with an integral optic mounting rail. The barrel with 1-16" twist and a continuous 18 mm diameter is locked in the system box with a clamping screw. The Wildcat is fitted with an adjustable rear sight (Ghost Ring Sight) and a ramped front sight. The barrels of both rifles are fitted with a ½"-20 UNF muzzle thread with a cover nut that matches the barrel diameter. In the self-loading rifle, the mass lock and the trigger group arranged underneath can be removed from the stock as an encapsulated complete unit, which makes cleaning with a cleaning rod inserted from behind extremely easy.

extraction systems

The MOA trigger group is located under the system sleeve of the Xpert repeater and can be adjusted between 1,200 and 1,800 grams. It is factory-set to 1,400 grams, which our measurements confirmed. Turning the adjustment screw clockwise increases the trigger weight. The safety, which acts directly on the trigger, cannot be operated silently.

The Xpert system with the adjustable MOA trigger unit. The adjustment screw is located on the front of the trigger housing.

The Wildcat comes with a fixed firing pin trigger,

The encapsulated mass-lock trigger unit on the Wildcat can be easily removed. All you have to do is press the red button on the rear of the bolt housing and you can swing the unit downwards.

The short Picatinny mounting rail on the fore-end front in the covered and open state with integral attachment for a shooting sling.

Technical data		
	Winchester Xpert Composite .22 lr	Winchester Wildcat .22 lr
system:	cylinder lock	force-locking ground connection
on:	420 mm/16.5“ length, 16 mm diameter at the muzzle, 1-16" twist, muzzle thread ½x20UNF with cover nut	420 mm/16.5“ length, 18 mm diameter, 1-16" twist, muzzle thread ½x20UNF with cover nut
schaft:	Plastic stock with covered Picatinny rail on the front	
sights:	rear sight with ramped front sight	Ghost-Ring sight with ramp front sight
Magazine:	Polymer drum magazine with capacity for 10 cartridges	
Deduction:	adjustable MOA trigger, measured trigger weight 1,420 grams	removable trigger unit, measured trigger weight 2,406 grams
Backup:	Two-position safety that acts on the trigger	
Length:	880 mm	885 mm

which we measured with an average trigger pull weight of around 2,400 grams. The plastic safety that acts directly on the trigger cannot be operated silently. Even the trigger tongue of the semi-automatic is made of polymer.

shafts

Both models are based on the same plastic stock with pistol grip and skeletonized buttstock, although the different system mounts mean that they are not interchangeable. The systems are each held in the stock with two screws. A short Picatinny rail is attached to the forearm for the use of a bipod. The stock has integral interfaces in front of the short Picatinny rail and on the buttstock for the use of a shooting sling. The drum magazines, which are compatible with the legendary Ruger 10/22 cartridge container and have a capacity of ten cartridges, are flush with the stock. All 10/22 type magazines can be used for the Winchester KK rifles.

The two small-caliber rifles with the distinctive, anthracite-grey plastic stocks in the partially disassembled

Folge deiner Passion

HOWA SUPER LITE M-1500

Die wahrscheinlich leichteste Waffe auf dem Markt!

„Das ideale Leichtgewicht zur Jagd im Gebirge, für die nächtliche Pirschjagd mit Vorsatzgeräten und ganz besonders als führige Waffe für die Jägerin."

UVP 1.734,-€ inkl. Schaft

SPONGE BLOB

GREY WEBBING

TECHNISCHE DATEN

Carbon Schaft: zwei Farbvarianten

Kaliber: 6.5 Creedmoor & .308 Win.

Magazin: 3 Schuss

Gewinde: ½ - 28

Lauflänge: 20"

Gewicht nur ca. 2.000 g !

Erhältlich bei allen qualifizierten Waffenfachhändlern

WAIMEX

WAIMEX Jagd- und Sportwaffen GmbH | Benno-Strauß-Straße 41 | 90763 Fürth

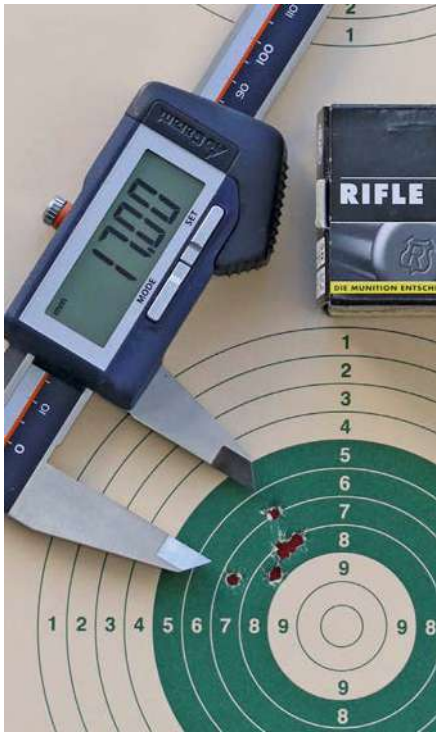
Besuchen Sie unsere Website: www.waimex.com

The magazine is released either by means of a push button in front of the magazine or via the control elements in signal red on both sides.

At the shooting range

We equipped the two Winchester KK rifles
Vortex

9 mm best grouping of the Xpert repeating rifle with RWS R50.



17 mm best spread of the Wildcat self-loading rifle with RWS Rifle Match S.

34 mm center tube diameter, Absehen in the first image plane and optional MOA or MRAD click adjustment (599 euros) for precision testing. For this we went to the 50-meter track of the shooting range with 15 types of ammunition. Amazingly

Despite its significantly higher trigger pull weight, the self-loading rifle had a average of 26 mm was slightly better than the repeater with an average of 29 mm. In terms of the top groupings, however, the Xpert model with the RWS R50 and 9 mm was ahead. Here, the Wildcat model achieved 17 mm with the RWS Rifle Match S.

Unfortunately, the two rifles did not perform so well with the cheap cartridges.

Shooting performance of the Winchester Xpert in .22 lr

atrone – Manufacturer - Variety - grs.	V_2 (m/s)	V_2i (m/s)	precision (mm)	comments
CI Standard Velocity 40 grs.	314	9	41	
CI Mini Mag 40 grs.	350	5	53	
ECO .22lr 40 grs.	319	6	19	
ECO Semi Auto 40 grs.	320	28	50	
Magtech 40 grs.	312	13	50	
Norma TAC 40 grs.	317	5	24	
WS Biathlon Special Match 40 grs.	323	4	13	Top
WS Rifle Match 40 grs.	319	6	14	4 shots 6 mm
WS R50 40 grs.	321	7	9	Top!!!
WS R100 40 grs.	333	12	20	
&B Club SV 40 grs.	335	10	47	
K Biathlon Spor t 40 grs.	320	10	23	
K Long Range 40 grs.	325	9	18	
K Rifle Match 40 grs.	317	9	25	
K Semi Auto 40 grs.	304	22	23	side scatter
average			29	

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). The bullet velocity (v_0 in meters per second) was measured with a CED2 M2 chronograph. The accuracy check was carried out with a 5-shot group using a Sinclair Benchrest rifle rest and a rear sandbag
Position at the 50-meter distance. Sight: Vortex Venom 3-15x44. The shot patterns refer to the center of the bullet holes that are furthest apart. The values in brackets indicate the precision without outliers.

Shooting performance of the Winchester Wildcat in .22 lr

atrone – Manufacturer - Variety - grs.	V_2 (m/s)	V_2i (m/s)	precision (mm)	comments
CI Standard Velocity 40 grs.	314	10	20	
CI Mini Mag 40 grs.	346	14	35	
ECO .22 lr 40 grs.	297	15	28	4 shots 13 mm
ECO Semi Auto 40 grs.	280	26	32	
Magtech 40 grs.	301	11	35	
Norma TAC 40 grs.	308	12	23	
WS Biathlon Special Match 40 grs.	320	14	22	
WS Rifle Match S 40 grs.	319	10	17	4 shots 13 mm
WS R50 40 grs.	316	5	27	
WS R100 40 grs.	314	3	18	
&B Club SV 40 grs.	333	9	35	
K Biathlon Spor t 40 grs.	311	10	33	
K Long Range 40 grs.	318	9	18	
K Rifle Match 40 grs.	305	9	25	
K Semi Auto 40 grs.	274	20	25	4 shots 12 mm
average			26	

All bullet and powder weights in grains (to convert to grams please multiply by 0.0648). The bullet velocity (v_0 in meters per second) was measured with a CED2 M2 chronograph. The precision test was carried out with a 5-shot group using a Sinclair Benchrest rifle rest and a rear sandbag rest at a distance of 50 meters. Sights: Vortex Venom 3-15x44. The shot images refer to the furthest apart bullet hole centers. The values in brackets indicate the precision without outliers.

All other results can be found in the tables.

caliber conclusion

The two lightweight rifles from Winchester Repeating Arms offer solid precision and were designed

At 506 euros for the Xpert and 516 euros for the Wildcat, this is a fair deal considering what is offered.

Further information at: www.winchesterguns.com and www.akah.de

The loading lever swings away when the unit is removed. The rifle can then be cleaned very easily from behind using the cleaning rod. Note the two tools attached to the unit for disassembly and sight adjustment.

Both rifles are designed for ambidextrous magazine release. You can either use the button positioned in front of the magazine or the red and grooved controls on both sides.

DENTLER
DR 21
PROFESSIONAL HUNTING

NOW TEST!

Experience the
new DR21 repeating rifle
von Dentler.

Find appointments near you:

DR21.de/Events

SIMPLY SAFE
Only ready to fire when hand cocked pressed. Intuitive handling.

INCREDIBLY LEADABLE
Extremely short design for perfect handling – from 870 mm total length

PEDANTICALLY PRECISE
100% Dentler quality
made in Germany

energetic jubilarian

The Czech ammunition manufacturer Sellier & Bellot is celebrating its 200th birthday this year and has always been one of the reliable "firearms fodder suppliers" for the authorities and civilian markets on the international stage. To mark the anniversary, we are presenting the best shooting performance with S&B-M

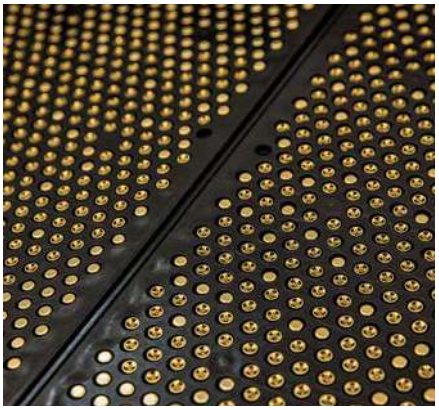
The two-hundred-year history of Sellier & Bellot (S&B) is characterized by constant technological progress in manufacturing processes, ammunition components and the product portfolio. S&B has been part of the
Brazil
men Magtech. In terms of the entrepreneurial/economic orientation, there was only a radical change at the end of 2023, because S&B now belongs to the powerful Colt CZ Group SE, which is on an expansion course with companies such as
t,
Mr.

Sparkling Start

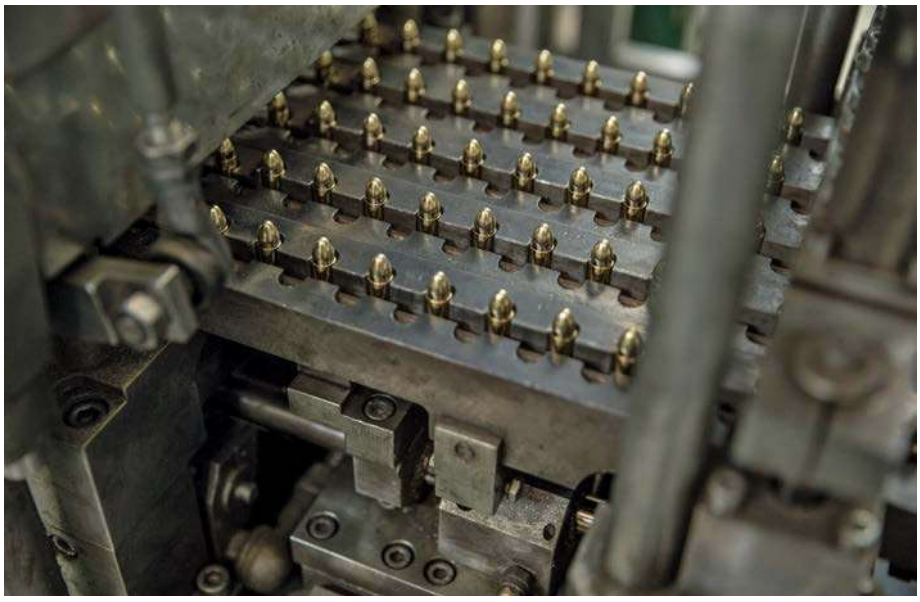
The namesakes of the now world-famous ammunition manufacturer are the French founders Pierre Daniel Louis Sellier and Jean Maria Nicolas

Tons of raw materials such as brass, copper or lead are processed every day at Sellier & Bellot in Vlašim.

They had a permit to manufacture primers and were also silent partners in the Parisian company Tardy & Blancher, which also manufactured primers. Bellot, who researched chlorate and mercury fulminates from 1819, is often listed as the inventor of the primer, but this cannot be clearly proven due to the many simultaneous development projects. The primer dealer Sellier began producing primers in a former monastery in Prague in collaboration with the A. Richter chemical factory in order to conquer the Austrian market. The problems that arose in the manufacturing process were solved by Bellot. This resulted in the establishment of a joint company with production facilities in a Prague suburb in 1825, which is generally considered to be the birth of Sellier & Bellot. Difficulties with approval procedures and property rights of foreigners were eliminated three years later when Bellot acquired Austrian citizenship. Sellier & Bellot's primers were seen as a great advance by public authorities and private users. The company was particularly heavily supported by the public sector because it also corresponded to the interests of the Austro-Hungarian and Prussian military. A primer factory was set up in Schönebeck, Prussia, in 1829. In 1835, Sellier & Bellot achieved an annual production of around 150 million primers. The company registered numerous ammunition patents and operated in the 20th century until the Second World War as the "Primer and Cartridge Factory, formerly Sellier & Bellot, Prague". In WWI, production was massively increased in order to produce the ammunition required by the military.



The company founder, Nicolas Bellot, made a name for himself with the development of the percussion cap 200 years ago.



Impressions from the factory: In a modern machine park with automated production lines, S&B ammunition is produced in an impressive variety of calibers and projectiles.

The cups are then deep-drawn into the sleeves.

globally relevant as an ammunition supplier. In 1936, part of the production was relocated to a new factory in Vlašim, which is still the primary headquarters of S&B today. With WWII, production capacities continued to grow. After the war, S&B was nationalized by Czechoslovakia, and in the early 1990s the company was converted from a state-owned enterprise into a joint-stock company.

S&B aktuell

The ammunition manufacturer in Vlašim in the Czech Republic produces cartridges in 43 rifle and 23 handgun calibers, and the range also includes many shotgun cartridges in all common calibers as well as rimfire ammunition.

Unfortunately, S&B did not want to reveal any information on production figures, although it is clear that standard calibers such as 9 mm Luger or .223 Remington/5.56x45 mm NATO. As with competitors, the focus in today's development is on lead-free bullets. A prime example of this is the modern Exergy Edge hunting bullet. Lead-free alternatives are also manufactured within the handgun and shotgun ammunition ranges. For example, the XRG Defense bullet is a modern solid copper hollow point bullet with high residual weight retention after target media impact, which is even available in calibers such as . 460 S&W Magnum. S&B is known for its heavy metal-free Nontox ammunition range, which is ideal for intensive training on indoor shooting ranges. Of course, quality controls and complex long-term tests are carried out in the factory using the latest equipment.

2,000 shots each were fired with the S&B SPCE semi-jacketed bullet and the S&B TRGX monolithic bullet in .308 Win. to document barrel wear. The results of such tests and a lot of other practical information can be found in the current S&B catalog "The Book of Ammo," which can be downloaded from the manufacturer's website. S&B has a museum in Vlašim Castle. The company still supplies the Czech armed forces. S&B exports around 90% of the ammunition it produces to over 80 countries worldwide. It is available in Germany through Frankonia and in well-stocked specialist shops.

See also: www.sellier-bellot.cz and www.frankonia.de

At the test shooting range in the factory, the ammunition is tested for gas pressure and precision under laboratory conditions.

The packaging and storage of the impressive quantities of ammunition is also automated. Passionate shooters feel like they are in paradise here and would love to get their hands on it.

SShooting performance of S&B factory ammunition at a glance						
caliber	laboratory	v_2 (m/s)	precision (mm)	a nge (mm)	ae	Remarks on the Laboratory Works
. 22 Long Rifle	40 RN	332	7	660	Victrix Armaments Venus SB	club cartridge
. 223 Remington	55 FMJ	927	41	425	DAR-15	inexpensive standard cartridge
. 223 Remington	52 HPBT	967	12	560	Savage Axis II Precision	Match cartridge also for long twist lengths
. 223 Remington	69 HPBT	957	25	660	Firearms Solution Germany	69 mm at 300 m/128 mm at 500 m
. 300 Blackout	124 FMJ	708	39	305	SIG SG 553 Sport	standard cartridge
. 300 Blackout	147 FMJ	630	31	406	Savage Axis II	superheavy supersonic cartridge
. 300 Blackout	200 FMJ	286	125	406	Savage Axis II	subsonic loading
. 308 Winchester	147 FMJ	786	33	421	Heckler & Koch MR308	inexpensive standard cartridge
. 308 Winchester	165 TXRG	830	39	560	Mossberg Patriot	lead-free hunting cartridge
. 308 Winchester	168 HPBT	712	9	406	SIG Sauer Cross	universal match cartridge
. 308 Winchester	175 HPBT	747	16	510	Brenner BR 20 Polymer	long-range match cartridge
. 308 Winchester	180 XRG	791	49	560	Mossberg Patriot	lead-free hunting cartridge
. 308 Winchester	190 HPBT	752	18	510	Roedale Tikka T3 Semi Custom	long-range match cartridge
. 300 Winchester Magnum	168 HPBT	932	9	660	Accuracy International AIAX MK III	31 mm at 300 m
. 300 Winchester Magnum	220 HPBT	822	14	660	Accuracy International AIAX MK III	17 mm at 300 m
. 338 Lapua Magnum	300 HPBT	833	22	698	Orsis T-5000	76(46) mm at 500 m
. 380 cars	92 FMJ	288	45 *	82	Glock 42	inexpensive training cartridge
9 mm Luger	100 JSP	393	28	115	Phoenix Redback	fast target cartridge without factor/MIP
9 mm Luger	115 JHP	377	29	151	STP TM28	match cartridge
9 mm Luger	124 FMJ	345	22	151	STP TM28	inexpensive standard cartridge
9 mm Luger	124 TFMJ	341	54	115	Phoenix Redback	low-emission standard cartridge
9 mm Luger	140 FMJ	300	34	121	Canik SFx Rival-S	soft subsonic loading
9 mm Luger	150 FMJ	286	41	128	CZC A01-LD	subsonic loading
. 357 SIG	140 FMJ	375	85	89	H&K USP Compact	630 joules
. 38 Special	148 toilets	186	46	152	Smith & Wesson 686	classic wadcutter loading
. 38 Special	158 JSP	219	36	152	Smith & Wesson 686	inexpensive standard cartridge
. 38 Special	158 TFMJ	195	51	152	Smith & Wesson 686	low-emission standard cartridge
. 38 Special	158 FMJ	212	67	152	Smith & Wesson 686	with full metal jacket bullet
. 357 Magnum	158 JSP	348	25	150	STP Lodur	also from S&W 686 Top
. 40 Smith&Wesson	180 FMJ	300	67	152	SIG Sauer X-Six	inexpensive standard cartridge
. 40 Smith&Wesson	180 TFMJ	294	67	130	CZ 75 TS Orange	low-emission standard cartridge
10 mm car	180 FMJ	327	59	117	Glock 20 Gen 5 MOS	tight, but not too hard
. 45 cars	230 FMJ	236	29	152	SIG Sauer P 220 X-Six	inexpensive standard cartridge
. 45 cars	230 JHP	273	36	151	STP Rosa	match cartridge
. 45 Colt	250 FP	264	117	165	Smith&Wesson 25 Classic Series	with lead flat-head bullet
12/65	32 grams of slug	392	148	815	UTS -15	Sport loading with shotgun slugs

* 5-shot group from the sandbag at 15 m. The precision test was carried out with a 10-shot (revolver 12) group from the Ransom Rest shooting machine at a distance of 25 meters. Rifle 5 shots at 100 m, shotgun 5 shots at 50 m. The shot images refer to the furthest apart bullet hole centers. All bullet weights in grains (to convert to grams please multiply by 0.0648). Abbreviations in caliber: FMJ = Full Metal Jacket. FP = Flat Point. HPBT = Hollow Point Boat Tail = Hollow Point Match Bullet. JHP = Jacketed Hollow Point = Partial Jacketed Hollow Point. JSP = Soft Point = Partial Jacketed Bullet. TC = Truncated Cone = Truncated Cone. WC = Wadcutter = Sharp-edged Target Bullet.

Spring

In the furthest corners of many safes, a Hämmerli 208 from the old days of sports pistols still slumbers. Our article shows how the Swiss small-caliber pistol can be upgraded for dynamic disciplines.

For many shooters, the classic .22 Long Rifle sports pistol for one-handed shooting was often the first choice when they started shooting. Some may even still own a Hämmerli 208 from those days. The author of these lines wanted to equip his 208 with a red dot sight to suit his age, so that he could also compete in the rimfire class in the drop plate and Steel Challenge. The Hämmerli 208 saw the light of day around 1966 and was later available as the 208S with an enlarged trigger. There was also the identical model 215, which had the same high Swiss quality but only differed from the model 208/208S in that it had a simpler surface finish. The model 212, on the other hand, had a simpler rear sight and was offered by the Swiss as a "hunter's model". After several decades, the 208/212/215 series was replaced by the Hämmerli X-Esse, which has now also reached the end of production.

sustainability

The Swiss all-steel sports pistol has a lot to offer in terms of durability. The barrels are indestructible, provided they are looked after a little. The Hämmerli 208 is also a real piece of Swiss craftsmanship. High-quality materials without MIM parts, clean workmanship and reliable function make this pistol a real eye-catcher even after

Still attractive at the end of production. The two-stage trigger is clean and without creeping, which is something many current models cannot keep up with. We measured our example at around 850 grams, so it does not require any further processing by the gunsmith. Anyone interested in a used 208 can find them in the relevant online auction houses such as Egun or Auctronica for as little as 350 euros, depending on the condition. The simpler 215 can even be had for a few euros less. The 208/215S versions generally change hands for more money, and this has been increasing in recent years. Spare parts such as firing pins or locking springs are difficult to find and are not exactly dirt cheap. Unfortunately, this is the downside of every used weapon. The cleanly manufactured metal magazines are also becoming increasingly expensive and cost around 70 euros or more each. By the way, the magazines only hold eight rimfire cartridges, which is nevertheless sufficient for many disciplines. First of all, we needed a new grip for our Hämmerli 208. The molded grip with palm rest is ideal for its original purpose, but not suitable for use with both hands. As is often the case, we found what we were looking for at the Swabian wooden grip specialist Karl Nill Maßgrif fe in Mössingen. His grips are available

ThorroClean

INS NEUE JAHR
MIT
SAUBEREM LAUF

- Entwickelt von Sportschützen
- Chemische und mechanische Reinigung
- Geruchsneutral
- Ideal mit IOSSO Eliminator-Bürsten

KAUFEN SIE
HIER

STROBL.CZ
WIEDERLADEN • JAGD • SPORTSCHIEßEN

Freie Beratung
Bei Telefon und E-mail

Schnelle Lieferung
Nur ***10,46 €*** Versand

Großhandel B2B
Einzelhandel B2C

+420 737 923 868 | info@strobl.cz | www.strobl.cz

on the 208/215 model, they extend slightly downwards over the grip, thus offering shooters with large hands enough support. The magazines then disappear deep into the wooden grip, making dynamic magazine changes difficult. The Hämmerli 208/215, with the magazine release at the bottom as a rocker, would not be a candidate for this anyway. The grips sit tightly on the steel frame and do not wobble. The workmanship of the walnut is very solid, so the price of around 185 euros is justified.

Our 208, built in 1981, should also be equipped with a red dot sight. The market offers two interesting solutions, which, like the handles, are made in Germany. The Wilkens mount comes from knife maker Kevin Wilkens from Berlin and is offered by the Frankfurt Oder shooting range (Saffo Shop), among others. The bridge mount made of 6085 aluminum is simply replaced with the existing rear sight carrier. There is an adapter plate on the top that can be used for a wide variety of foot covers.

ren wi

The slide-on mount from Waffentechnik Hamann, also in black and blue in the photo on the right, clamps onto a groove on the underside of the barrel. Large and small red dot sights, such as the Noblex Sight with EAW mount here, can be attached.

The Wilkens mount from the Saffo shop is simply exchanged for the rear sight carrier.

MARK IV™ 22/45™ LITE

RUGER®

- The first Optic Ready model of the Mark IV™ Lite family
- Excellent handling & balance thanks to polymer grip in the 1911 style
- further information: **www.akah.de**

The cleanly crafted handles by Karl Nill also extend the grip surface downwards. Ideal for shooters with large hands!

olosun 507k and Trijicon RMR. The manufacturer promises a Precise assembly after removal. At least we did not notice any shifting of the meeting points after the necessary cleaning. The price is 190 euros including an adapter plate. If another mounting plate is purchased later, this costs 50 euros. The disadvantage, however, is that only small red dot sights can be used.

Another option is the mount from Waffentechnik Hamann from Ngermünde. Here the slide-on mount is pushed onto the mounting rail of the rifle and clamped. The mounting rail made of aluminum, which weighs around 122 grams, has to be dismantled for cleaning, just like the Wilkens mount. We were not able to detect any shift in the point of impact after removing and refitting it. A rail with a length of around 115 mm and a Pitinny profile offers more flexibility when choosing red dot sights. Larger red dot sights with advantageously large viewing window. With a price of 219 uro you hardly have to dig deeper into the sche than with the Wilkens-Monge. If you want to freshen up your Hämmerli 208/215 with a bit of color, you can also get the amann assembly in red or blue oxidized light metal. Mounting with the illuminated dot further forward also shifts the weapon's center of gravity further ach front, which we found to be quite positive.

caliber conclusion

It is not always necessary to buy a new weapon if you have one in the running We hope that our article has given you the initial spark to start a conversion. Our Hämerli 208 is experiencing a second spring with its ambidextrous grip and illuminated dot sight and is giving us a lot of fun at the shooting range.

ww.nill-grif fe.com
ww.saf fo.shop
ww.waf fentechnik-hamann.de

Text: Tino Schmidt
Photos. Dieter Licht

This is how many people know it: The Hämmerli 208 with a shaped handle, which served as our high-quality starting point.

EYES ON TARGET

February 27th - March 2nd, 2025

NUREMBERG, GERMANY

IWA OUTDOOR CLASSICS

World's Leading Trade Fair for the hunting and shooting sports industry

Now QR code scan

WWW.IWA.INFO/DABEI-SEIN

Access only for authorized trade visitors.

NÜRNBERG MESSE

Of Ghosts and Bulls

While the trend towards downsizing has been prevalent among car manufacturers for years, the exact opposite is being observed among manufacturers of red dot sights for handguns, and so they are trying to outdo each other in the battle for the favor of the buyer group with ever larger objective lenses. As the "new kid on the block", the still relatively unknown optics manufacturer Cyelee Optics is preparing to make a name for itself here, especially with its models Bull PRO, Bull X PRO and Ghost HDG.

The US company Cyelee Optics is indeed a real youngster in the optics business, as the company based in Kansas City was only founded in 2020. The optics, however, are manufactured in Hong Kong, which but in view of other established brands on the market with similar production locations, this should not be a reason to immediately turn up your nose. We first became aware of the brand through various YouTube videos, which mainly focus on the extremely large Cyelee Bull PRO/Bull X PRO red dot sight with its unusual lens housing. Due to its shape, the optics were quickly nicknamed the "Quonset Hut" (after the corrugated iron barracks of the US Navy) in the USA.

Both the Ghost HDG and the Bull X PRO red dot sights from the young company Cyelee Optics have a lot to offer: interchangeable reticles, RMR mounting profile, easily accessible battery compartment, motion sensor with automatic shutdown.

Cyelee Bull X PRO in detail

First up is the compact red dot sight with what is probably currently the largest objective lens: the Cyelee Bull, whose lens measures an impressive 26 mm high x 34.5 mm wide. The Bull is available in two versions that differ in terms of the reticle. The Bull PRO version only has a 3 MOA dot reticle, whereas the Bull X PRO provided to us has a special feature: an interchangeable reticle. The only control elements on the optics are two rubberized push buttons with triangular up/down symbols on the left side of the housing. The adjustment screws for the height and side are are neatly recessed – as with most open emitter red dot sights – in the rear part of the housing. They have a click adjustment with an adjustment range of 1 MOA per click. The housing of the optics is made of 7075-T6 aluminum and offers protection according to IPX7 (dustproof and protection against temporary submersion up to 1 meter depth for 30 minutes). The red dot sight is switched on by pressing the up button once. It is switched off again by holding the down button for three seconds. These two buttons can be used to

The brightness of the reticle can also be adjusted. There are ten different brightness levels to choose from, including eight day vision levels and two night vision levels. If you want to prevent the setting from being accidentally changed, you can lock both buttons for four seconds by pressing them down simultaneously (Lock Mode), which is indicated by the LED flashing three times. The red dot sight is powered by a 3 volt CR1632 button cell battery, which is located in a side slot, and the battery life is said to be 50,000 hours according to the manufacturer. To save battery life, the sight also has a shake-awake function; if not in use, it goes into standby mode after four minutes and switches back on again at the slightest movement. Cyelee recommends that you ensure that the lens does not protrude beyond the base of the sight when mounting it to avoid malfunctions. When it came to dimensioning the mounting interface, nothing was left to chance and the extremely popular Trijicon RMR footprint was chosen, which opens up an almost unmanageable number of mounting options for both long and short guns.

Fortunately, there are plenty of # 6-32 UNC mounting screws in various lengths are included in delivery. The Bull X PRO's interchangeable reticle offers a 2 MOA dot, a 26 MOA circle with short bars at the 12, 3, 6 and 9 o'clock positions, and a combination that is very reminiscent of the well-known EOTech reticle. If you want to switch between the different reticles, all you have to do is hold down the up button for three seconds. When you start up again, the last reticle selected always appears.

Cyelee Ghost HDG in detail

The lens size of the technically identical Ghost HDG (Heavy Duty Grade) is “only” 22.5 mm high x 26.5 mm wide, but is still on the same level as the Trijicon SRO, Holosun 507COMP or Bushnell RXM-300, which are anything but small red dot sights. Otherwise, the Ghost HDG also has the characteristic frame design, control of all functions using two push buttons, a side battery compartment, the RMR-compatible “footprint” and the option to switch between dot, circle and combined reticle by simply

The solid lens frame gives the red dot sights a very unique appearance. The solid, higher protective elements in front of and behind the frame are clearly visible. The Bull model (right) is currently the largest red dot sight designed for direct mounting on handguns.

View from the shooter's perspective of the Cyelee Ghost HDG (left) and the Bull X PRO (right). In the latter case, the lens frame extends well beyond the bulky shutter of the PDP Steel Frame on both sides.

Technical data		
	Cyelee Ghost HDG	Cyelee Bull PRO/Bull X PRO
Housing material:	7075-T6 aluminum	
Lens diameter (HxW):	22.5x26.5 mm	26.0x34.5 mm
Dimensions (LxWxH):	53x35x34 mm	53x45x38 mm
Weight:	59 grams (with battery)	74 grams (with battery)
Reticle:	2 MOA Dot & 26 MOA Circle	Bull PRO: 3 MOA/ Bull X PRO: 2 MOA Dot & 26 MOA Circle
Brightness level:	10 adjustable brightness levels (8 day and 2 night); manual brightness control; Shake Awake/Motion Deactivated Standby	
Battery:	1x 3 Volt CR1632 (side-mounted battery compartment)	
Scope of delivery:	CR1632 battery, various mounting screws (6-32 UNC), Torx and slotted L-keys, instruction manual, stickers	CR1632 battery, Picatinny mount, various mounting screws (6-32 UNC), Torx and slotted L-keys, instruction manual, stickers
Height/side adjustment:	click adjustment (1 MOA)	
Mounting profile ("footprint"):	Trijicon RMR	
Non-binding recommended retail price:	449 euros	Bull PRO: 429 euros/ Bull X PRO: 469 euros

For practical testing, we mounted both red dot sights on a Walther PDP Steel Frame in 9 mm Luger. Each sight was fired with around 1,500 shots without any malfunctions or failures.

In contrast to the Bull PRO/X PRO, the Ghost HDG is supplied without a Picatinny mount. This is probably due to the fact that the Ghost HDG is usually mounted on a handgun anyway, whereas the Bull PRO/X PRO also looks very good on a long gun.

practical test

For the practical testing, which spanned several visits to indoor and outdoor shooting ranges, the two Cyelee red dot sights were placed one after the other on the same Walther PDP SF 5" in 9x19 for better comparability. As usual,
r the optics are first roughly prepared using a laser cartridge before
for the actual zeroing in at the shooting range. This not only saves time and nerves, but also ammunition. In our
In this case, the point of impact had to be corrected only minimally when zeroing in at 10 meters, which is why we were able to quickly switch to 25 meters for the final zeroing. As part of this procedure,
n we conveniently checked the mechanical adjustment straight away. None of the stop mechanisms let us down. The adjustment mechanisms worked perfectly and, above all, in both directions of rotation
e repeatable accuracy. Only the notches could be a bit too pronounced for our taste. Both sights were tested in standard exercises such as dot or bill drills at different distances, one-handed with the strong and weak hand, as well as in a number of different IPSC stages. We were particularly impressed by the combination of large lens and sparkling clean, pre-

We liked the Bull PRO/X PRO with its dot reticle, although to be honest we could not find any significant difference between the two red dot sights. So size is not everything and if the Bull PRO/X PRO is too much of a good thing for use on a handgun, you can safely go for its “little” brother, the Ghost HDG. The large lenses also facilitate peripheral observation of the reticle and even with the fastest series of shots, the reticle could be observed throughout the entire firing cycle. After almost 1,500 shots each (handload and factory ammunition), both the Bull X PRO and the Ghost HDG made a very good impression on us. In particular, there were no electronic or mechanical failures, the reticles were all clearly displayed and despite the lack of counter screws, the hit location remained constant after zeroing. The question of reliability in real long-term use is more difficult to assess. The firing load in our test was of course sufficient for this.

The optics are supplied with a whole range of mounting screws, with the Bull PRO/X PRO set also including a Picatinny mount for long guns.

caliber conclusion

Cyelee Optics describes the Bull X PRO and Ghost HDG red dot sights presented here as flagships of their optics range and, based on our experience, this reputation is well deserved. Both red dot sights have been able to impress with their good workmanship, high optical quality, user-friendly operation and practical features.

Bull PRO or 469 euros for the Bull X PRO is fine. The Ghost HDG costs 449 euros. Finally, a big thank you to the experienced IPSC shooter and range officer Florian Scheu and his sales partner Patrick Kummer from Atlas Taktik for providing the two sights.

Further information at: www.atlasshooting.de and www.cyeleeoptics.com

With the**LR/ONE**CG Haenel redefines precision shooting: The repeater offers pro features in .308 Win. caliber for ambitious sports shooters - at an unbelievable price. In addition to the outstanding precision properties, the rifle system impresses with many options for adaptation to the user and intended use.

Available from August 2024 in well-stocked specialist stores.

HAENEL

Made in Suhl, Germany | www.cg-haenel.de

The twelfth edition of the leading trade fair for internal and external security "Enforce Tac" is scheduled to take place from 24 to 26 February this year in Nuremberg, and the national and international challenges for the police and military have by no means become smaller. We therefore held events

caliber:Ms. Teufert, the eleventh Enforce Tac last year was a real blast and a complete success in every respect. Can it be improved upon?

Teufert: Yes, absolutely. We are still delighted that Enforce Tac 2024 was so successful and exceeded all expectations. But even though it was a great success, we are always striving to improve and make the event even more attractive. The security and defence sector is constantly evolving, and with it the demands on our event.

We are convinced that we can continue to improve. We are not only focusing on expanding the trade fair, but above all on deepening and further developing our program. This means an even stronger focus on promising topics such as the advancing digitalization in the security sector, the challenges posed by hybrid warfare and the growing importance of resilience in defense.

In addition, we plan to develop new formats and synergies with partners in order to intensify the exchange between exhibitors, trade visitors and experts. Examples of this are the AMMO SYMPOSI-UM, which will celebrate its premiere in 2025 and addresses the topic of ammunition procurement. In addition, for example, the GER-MAN NORDIC DEFENCE INDUSTRY DIALOGUE, which is a newly initiated multilateral dialogue format that aims to

aims to create an innovative ecosystem for the defence industry, consisting of Germany and the Nordic countries (Denmark, Norway, Sweden, Finland). This will ensure that Enforce Tac continues to play a leading role as a central platform for dialogue and presentation of innovations in the field of security and defence industry. The 12th edition will certainly set new standards and offer even more professionals and companies the opportunity to network and help shape the future of the industry.

caliber:Unfortunately, the world has not become more peaceful since our last meeting. Since the Hamas attack on October 7, 2023, the Russia-Ukraine conflict has been joined by the escalating crisis in the Middle East. Does this have an impact on the Nuremberg trade fair for internal and external security?

Teufert: The current geopolitical tensions undoubtedly have an impact on our industry. We are closely monitoring these developments and adapting our program accordingly to meet the increasingly complex requirements and challenges. Enforce Tac remains a platform specifically geared to the needs of the security and defense industry. This means that topics such as hybrid warfare, international security and new defense technologies will continue to play a central role.

rungen

threat scenarios and the global increase in crisis areas.
Our goal is to provide experts, decision-makers and industry with the necessary solutions and dialogue to address security-related issues. Enforce Tac thus remains an important meeting place for the exchange of technological innovations and strategic approaches that are important for the security of Germany and Europe.

caliber:The Enforce Tac Village and the daily program of live demonstrations in the outdoor area of the exhibition were very well received. Will this format be continued in collaboration with Operational Capabilities, Proreta and Airborne Medical Group? What changes will there be in 2025?

Teufert: Yes, that's true - we ourselves were overwhelmed by how many people did not miss it and got a first-hand impression of the Enforce Tac Village 2024. The visitors literally stormed the stands (laughs). This format was and is an essential part of the supporting program for us in order to offer visitors practical insights, but above all our exhibitors an expanded presentation opportunity: live and in a network. In close cooperation with our partners such as Operative Skills, Proreta and Airborne Medical Group, we will continue to expand the concept. In 2025, the Enforce Tac Village will find its weather-independent location in Hall 8. The new location

Enforce Tac event manager Isabelle Teufert was once again available to answer our questions.

Enforce Tac Village created catering area. But of course we have also thought of a few other special features. You can see them for yourself at Enforce Tac 2025!

caliber:Germany is also struggling with many problems at home. The Middle East conflict is being played out partly on our streets, Russian espionage and possible sabotage activities have increased massively, and there is also organised crime and illegal immigration. Are the German security authorities still up to the task? Is the range of services available to the domestic security forces expanding?

More security at Enforce Tac 2025?

eufert: The last few years have shown us once again how important it is for security authorities in Germany and Europe to be prepared for the increasing threats. I am convinced that cooperation at the European level is now more important than ever. Only through close exchange and a common strategy can we effectively counter the complex threats of the present and future.
In this context, Enforce Tac 025 will play an even stronger role and will be asked to create appropriate action opportunities and program points to further promote this dialogue and cooperation between the European security actors.
ures to intensify.
It is my goal that our event is not only perceived as a meeting place for innovations, but also as a place

where solutions to the most pressing challenges of internal and external security are developed and discussed. We face major challenges, but I am confident that together we will find the right answers - and Enforce Tac 2025 will play a central role in this.

caliber:Does the Nuremberg trade fair for internal and external security always receive only positive mentions in regional, national or even international media reports or have there also been critical voices?

Teufert: An event such as Enforce Tac is certainly a polarizing topic, even without a tense geopolitical situation. In 2024, we were pleased to receive largely positive coverage in the broad media landscape. But this is not just the case for us as trade fair organizers; our exhibitors are also experiencing something similar. The topic of internal and external security is once again moving more into the minds of society and is more present than in previous years. In addition, at federal and state level, politically speaking, we are enjoying our

We are the only platform in Germany that follows the approach of integrated security, and we are more strictly legitimized in terms of visitors than any of our European competitors. We are therefore making a special contribution to the security of Germany and Europe.

caliber:Enforce Tac is growing and growing. The trade fair now occupies five exhibition halls with a total area of 48,000 m². Can we expect further expansion in the future or has this reached the end of the line?

Teufert: In my personal opinion, the market potential is still huge and far from exhausted. However, we are staying true to our line, which means: quality over quantity. The required square meters are ultimately decided by the exhibitors during the rebooking process. We remember: in 2024, we were virtually fully booked on the evening of the first day of the event and had to reorder halls.

caliber:Success usually brings with it increasing competition. How do you rate

2026 will take place for the first time parallel to Security
ndenden Euro Defence new emerging competition to Enforce Tac?

Teufert: Enforce Tac is more established than ever before as a trade fair for internal and external security – it will take some time before someone can emulate us.

caliber:The government, which is about to hold new elections, and Germany are not in a good position with an extremely modest economic balance and a general recession. Tight budgets are also affecting the budget of our Minister of Defense Boris Pistorius. But this is precisely where further investment is urgently needed. How can one best overcome this dilemma from the perspective of a trade fair organizer?

Teufert: We are already bringing not only exhibitors and visitors to the table, but also the relevant politicians. This will continue to be necessary. This is the only way to create a serious place for exchange with Enforce Tac in order to find pragmatic solutions and show that investments in security also

caliber:There is still a serious shortage of personnel in the Bundeswehr. Is the reintroduction of conscription the only way to achieve the goal of recruiting more active soldiers or do you think there are alternative solutions?

Teufert: The reintroduction of conscription is certainly an option to remedy the shortage of personnel in the Bundeswehr. However, I do not believe that this measure is the only sensible solution. Rather, the focus should be on a more sustainable and long-term strategy that specifically focuses on recruiting and retaining qualified personnel, coupled with the knowledge that technological advances bring with them significantly changed requirements.
I think it is more important to make the profession of soldier more attractive. This includes improved working conditions, clear career prospects and a greater appreciation of work in the military sector. Modern recruitment strategies that could specifically target Generation Z also help to attract more young people to the Bundeswehr.
In this way, we can build up a strong and motivated workforce in the long term that will ensure the security of Germany and Europe – even without resorting to conscription.

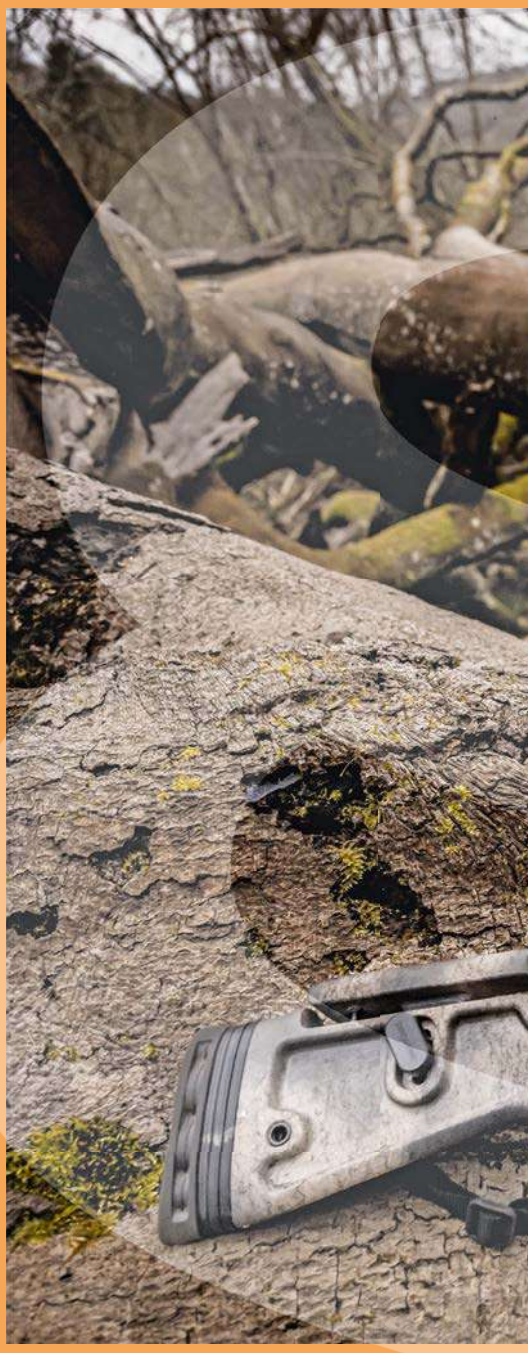
Text: Stefan Perey

Impressions

took place

PowerSpeed HGmbH ○ Auhirschenweg 36 ○ AT-1220 Wien ○ office@powerspeed.at ○ www.hogue-europe.com

Of Principles and privileges



If the Giessen Administrative Court has its way, Section 13 Paragraph 2 Sentence 2 of the Weapons Act (WaffG) is not intended to provide annual hunting license holders with an inexhaustible source of long guns. Rather, they should only be able to purchase the number of long guns that are reasonably necessary for their individual hunting, and in the event of justified doubts, the weapons authority should be given the opportunity to carry out a needs assessment in individual cases. But how did this apparent breach of the "hunter's privilege" come about? To this end, let us take a closer look at the judgment of the 9th Chamber of the Giessen Administrative Court of October 28, 2021, case number 98 K 2448/20.GI.

The following facts formed the basis for the decision: The later plaintiff is a hunter and sports shooter and requested the entry of three additional long guns in his firearms ownership card (WBK). Specifically, these were a straight-pull R94 repeating rifle from Interordnance GmbH Austria in 7.62x39 caliber, a semi-automatic SG 550 Zivil Match rifle from Kempf in .223 Rem. caliber and a lever-action repeating rifle from Rossi in .357 Mag. caliber, although the latter long gun was not the subject of the lawsuit.
As the holder of a valid annual hunting license, he already owned 30 long guns and 3 short guns for hunting purposes. In addition, he owned other long and short guns in his capacity as a sports shooter. After the plaintiff had properly reported the purchase of the weapons mentioned to the responsible authority - the defendant - and applied for entry in his hunting license, the defendant informed him of its intention to refuse entry and gave him the opportunity to comment.

The authority took the view that holders of a valid annual hunting license according to Section 13 Paragraph 3 of the Weapons Act do not require a permit to purchase long guns. However, this is contradicted by the general principle of Section 8 No. 2 of the Weapons Act, according to which the suitability and necessity of the weapons or ammunition for the intended purpose must be determined.

requested purpose had to be made credible in relation to the interests of public safety and order. It was further stated that the plaintiff's weapon inventory was very extensive and that the weapons were not necessary for hunting. The acquisition of firearms for purposes other than hunting was not permitted. The plaintiff then countered this and explained that he was also an instructor for young hunters, which is why many weapons were used for training. In addition, he uses his weapons as part of his work as a shooting coach and shooting instructor for private courses in the shooting range. In addition, he has a hunting license and hunts very intensively in the hunting areas. He also made statements about the intended use of the three recently acquired long guns. He wanted to use the straight-pull repeater both for hunting practice shooting and for hunting deer. The self-loading rifle, on the other hand, should be used for hunting predators at longer distances. The authority then obtained several expert opinions (from the district hunting advisor, a professional master hunter, a master gunsmith and hunter, and the State Hunting Association of Hesse), which mostly came to the conclusion that there was no need for the weapons in question. The existing weapons would in-

sufficient or the reasons put forward were incorrect. After another opportunity to comment on these statements, the defendant finally rejected the application for a permit to own the weapon or for the entry in the plaintiff's gun ownership card. The objection raised against this was also unsuccessful and finally the 9th Chamber of the Administrative Court of Gießen had to deal with the matter in the context of an action for an order. The court was also unable to recognize a hunting need in this case and dismissed the action accordingly. It had not been made credible that the firearms and ammunition in question were used for hunting or

for training in hunting shooting, including hunting shooting competitions.

Renunciation is not the same as renunciation

We will now take a closer look at how the court came to the possibility of a needs test, despite the apparently clear wording of Section 13 Paragraph 2 Sentence 2 of the Weapons Act. This is because, in principle, according to Section 13 Paragraph 2 Sentence 2 of the Weapons Act, hunters who hold an annual hunting license are not subject to an examination of the requirements of Section 13 Paragraph 1 No. 1 of the Weapons Act and Section 4 Paragraph 1 No. 4 of the Weapons Act for the purchase and possession of long guns and two handguns.

In other words: a numerical

The legislator does not provide for any restrictions on the purchase of long guns in Section 13 Paragraph 2 Sentence 2 of the Weapons Act. The statements in Sentence 1 of 13.2 of the General Administrative Regulations on the Weapons Act (Waff-VwV) also state that the needs test does not apply to holders of a valid annual hunting license.

And now it gets interesting: The Administrative Court of Gießen is of the opinion that the waiver of the explicit requirement to examine a need with regard to long weapons does not mean that the necessary substantive existence of a need is waived. You have to let that sink in for a moment. To justify this opinion, the Administrative Court of Gießen cites the following:

The usual rules of appropriate interpretation come into play. A systematic interpretation based on the regulatory context would contradict the conclusion that, unlike the purchase of short weapons, which is limited to two, the purchase of long weapons is unlimited. Such an understanding of the norm would simply contradict the meaning and purpose of the entire gun law (fundamental prohibition subject to a permit). It is also stated in this context that the unlimited purchase and possession of weapons would not do justice to the "principle of scarcity of weapons" that governs the entire gun law.

Continued on page 68

caliber

ORDER SERVICE

SHOW A LITTLE NAN

Conveniently by email: anzeigen@vsmedien.de or by post to:

VS Medien GmbH •**caliber**Advertising Department • Burgbergweg 1 • 56377 Nassau

My address: **Please write in block letters!**

Name first Name

Street / Number

Country / Zip Code / City

Telephone number for queries

786c2caliableibre9r/210/2025

Please tick:

- **PRIVATE CLASSIFIED AD**
  I am not a commercial provider and object to the publication of my name and address
- **WEAPONS/AMMOTION REQUIRING EWB**
  are published according to the Federal Weapons Act only with the addition: for firearms and ammunition requiring a permit:
  DISTRIBUTION ONLY TO HOLDERS OF A PURCHASE PERMIT
- for firearms and ammunition not requiring a licence and other weapons:
  DISTRIBUTION ONLY TO PERSONS 18 YEARS OLD
- for prohibited weapons:
  DISTRIBUTION ONLY TO HOLDERS OF AN EXCEPTIONAL PERMIT

The calculation is carried out either by:

- **The invoice**
- **crossed check**
- **convenient and time-saving by direct debit:**

IBAN _____

BIC _____

_____ Date

Signature

Commercial classifieds: 4.35 €/line (plus 19% VAT) - Appearance only in**caliber**

www.caliber.de

classified ad exchange

Up to 10 lines free! ! !

Ordering a classified ad in**caliber**

Category: _____

Please publish this ad in a total of ____ issues – With photo 5,-¤ per publication

Free • Free • Free • Free

sale of treatment weapons

SIG P210

MAGAZINE PROMOTION: 89.95€

- Model: SIG P210
- Caliber: 9mm
- Capacity: 8 shots
- Material: Steel
- Color: Black

by German Tactical

GT GmbH,Tel: 05308-9350480, email: info@starshooter.de , www.starshooter.de G

Selling collection: Russian short and long guns,more than 20 runs, very cheap, list on request by phone: 05241-532387 or email: veigenbrot@hotmail.com . Only available to holders of a purchase permit

---

For sale:Korth Sportrevolver 6 inch, cal. .357 Magnum, like new with original mahogany case, Ratzeburger manufacture,VB € 3,300.00 Offer to Tel: 0179-3902039 or E-Mail: info@openair-speaker.de . Delivery only to holders of a purchase permit

Peterssen Gunworks,Frame weight with thumb rest for Glock pistols, less recoil, faster shot sequences, easy installation. www.peterssengunworks.de Tel: 0251-39637393 G

For sale:CZ 75 TS Orange, 9 mm, Weapon is like new, with accessories, price negotiable € 2,650. Tel: 0173-8359268. Only available to holders of a purchase permit

---

MICRO RONI FOR ALL GLOCK MODELS

away 279.95€

- Current production 2018!
- Installed in just a few seconds
- No modification to the weapon necessary
- Foldable shoulder rest
- Picatinny-Weaver rails for mounting sights and accessories
- After installation in the stock system, it remains a handgun
- Magazine holder installed
- Loading lever can be operated from both sides and much more ...

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

www.vsmedien-shop.de

Sale Lan weapons

Peterssen Gunworks,Muzzle brakes can be clamped for any barrel diameter and any thread, individually adjusted. www.peterssengunworks.de Tel: 0251-39637393 G

---

large-caliber Bundesliga
www.gkbl.de

SET SWEDEN MAUSER M96 AND M38

199.95€

- 2-7x32 rifle scope
- mounting rail, mounting rings
- No gunsmith required

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

JAGD SPORT ZUBEHÖR
VOERE WEBSHOP
www.voere-shop.com
CRAFTED IN TYROL AUSTRIA
Follow us on Social Media

all4shooters.com
BE A SHOOTER
ARMS AMMUNITION OPTICS PASSION

Selling collection: Russian short and long guns,more than 20 runs, very cheap, list on request by phone: 05241-532387 or email: veigenbrot@hotmail.com . Only available to holders of a purchase permit

Mini-14 / 30 shaft system

Complete stock system including rails, cheek rest, dampened butt cap and grip

Foldable

only 149.95€

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

purchase of land gwapes

Ammunition & Wi ethe store

ALLJAGD

CLICK HERE FOR HOMEPAGE

Today's top torrents (last 40 per category uploaded today)

Quicknav >

TV›Episodes SD | TV›Episodes HD | TV›Packs | TV›Sports | Movies›HD | Movies›SD | Movies›CAM/TS | Movies›4K UHD | TV›Eps 4k UHD | Docus›All

Games›Windows | Books›Ebooks | Books›Audiobooks | Books›Educational | Books›Magazine | Anime›All | Apps›Windows | Movies›Bollywood | Apps›Mobile

Music›Albums | Music›Lossless | XXX›SD | XXX›HD | XXX›Misc | XXX›4K UHD

all4shooters.com
BE A SHOOTER
ARMS AMMUNITION OPTICS PASSION

all4hunters.com
BE A HUNTER
ARMS AMMUNITION OPTICS PASSION

sale optics

K98 RIFLE SCOPE SET

- rifle scope
- rifle scope rings
- rifle scope mount Weaver/Picatinny
- dust protection caps

SPECIAL PRICE only **99.95€**

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

literature

Search weapons books,individually or complete collection. No military books! Tel: 07246-2580 or E-Mail: g_goetting@web.de

---

Search for the book "Combat Digest" by Jan Boger and a belt holster for the Walther P 22. Tel: 01525- 8592907

Selling Everything Else

mc allister

Tactical - Outdoor boots

Quality without compromise!

already from 39.90 euro

Sold only through specialist retailers.

CommandoIndustries

Textilhandels GmbH
Waldhof 56.34298 Helsa (Hesse)
www.commando-industries.com

all4shooters.com BE A SHOOTER ARMS AMMUNITION OPTICS PASSION

ISSProtectionTrade® Professional Equipment for Professionals

Waffen & Zubehör:
Glock, AR-15, H&K, Sig Sauer Laser Ammo, IMI Defense, E-Lander, DPM Systems, FAB Defense, Front-Line...

www.issprotectiontrade.com +49(0)2206 9519440

www.vsmedien-shop.de

eGun The market square

for hunters, shooters and anglers

www.egun.de

EWB is looking for Kemira or Vihtavuori N 125,also Federal Large Rifle primers, pay well! E-Mail: mquigley1874@hotmail.de or Tel: 0178-1445599

Universal cleaning set

- ALL CALIBERS!

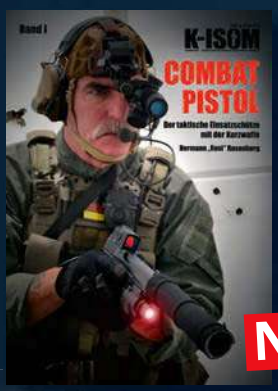
SPECIAL PRICE **29.95€**

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

all4hunters.com BE A HUNTER ARMS AMMUNITION OPTICS PASSION

You can find more for your hobby in our online shop

For example:



NEW

VISIER

Schweizer Waffen-Magazin SWM Die Zeitschrift für Sportschützen, Waffenträger und Sammler

caliber

VISIER SPECIAL

vsmedien gmbh

How to order:

+ 49 (0)2604 / 944 64 10
or / 944 64 13

shop@vsmedien.de
www.caliber.de
www.vsmedien-shop.de

To the shop:

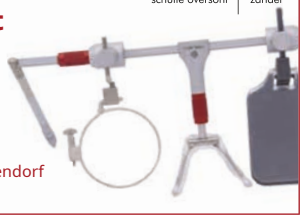
Sale All s Other

Individual measurement of your eyes on tracks from 10 to 100 meters!

BURG.brille
schulte oversohl zander

shooting glasses adjustment

Shooting glasses for sports and hunting shooters, optical aiming aids and accessories



Alte Hauptstr. 28/30 • 45289 Essen-Burgaltendorf
Tel.0201 36440000 • www.burgbrille.de

SET SWISS K31

199.95€

- 2-7x32 rifle scope
- mounting rail, mounting rings
- No gunsmith required

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

Now fast, safe and order cheaply at www.magnum-versand.de

Magnum Classic Series
• Magnum Classic Regular
• Magnum Classic Mid Wide fit.

Order now quickly, safely and cheaply at www.magnum-versand.de

FORUM WAFFENRECHT

Become a member now for only € 17,-/year!

Forum Waffenrecht eV
An der Pönt 48, 40885 Ratingen
www.fwr.de

weaponsCompetentsecure

Protect
Splitterschutzvorhang für Lamellenkugelfänge

SPEZIAL-BELÄGE
morgenroth
Hofer Str. 13
D 95632 Wunsiedel
Fon 09232-991544
info@morgenroth.eu
www.morgenroth-protect.de

Large MOSIN NAGANT SET

- rifle scope
- dust caps
- rifle scope mount
- Weaver/Picatinny
- rifle scope rings
- Damped butt plate
- carrying strap

SPECIAL PRICE only99.95€

Starshooter by German Tactical GT GmbH,Tel: 05308-9350480, Email: info@starshooter.de , www.starshooter.de G

Peterssen Gunworks,Muzzle thread on every short and long gun including re-proofing for € 319.95. Detailed advice, also on other work. www.peterssengunworks.de Tel: 0251-39637393 G

MÜLLER MANCHING

shooting glasses specialist

www.mueller-manching.de
85077 Manching Ingolstädter Str. 30☎08459 2324

Optimal training conditions for hunters in
SCHIESS-SPORTZENTRUM WESTERWALD

Hunting association, district group shooting, business events, team building, workshops, JGAs and celebrations in the SSZ WW

A shooting sports center on an area of over 1500 m² for private individuals, companies and events. Hunters in particular are welcome and in good hands with us.

The trained SSZ team will look after you professionally and individually throughout your entire stay. Whether you are travelling by long or short boat – safety is our top priority.

The SCHIESS-SPORTZENTRUM WESTERWALD
The perfect location for an unforgettable experience

- 30-meter shooting range, for everyone over 18
- 100-meter shooting range, for authorized persons
- High-tech indoor shooting
- Accessibility
- Parking spaces
- Catering available on request
- Training rooms

Sälzerstraße 22a, 56235 Ransbach-Baumbach Instagram: @schiesssportzentrumwesterwald Info and online booking at: www.ssz-ww.de or by phone: 02623 9701152

Continued from page 61

Even the legislative materials justifying the wording of Section 13 of the Weapons Act would support a restrictive understanding of norm with the aim of allowing hunters to purchase long guns only for hunting purposes, but not for collecting weapons, for example. This regulation should make it clear that need to be proven in principle. Section 13 Paragraph 1 No. 1 in conjunction with Section 8 does not allow hunters to acquire firearms for any purpose other than hunting.

If the Giessen Administrative Court has its way, the previously privileged are subject to a need limit when purchasing weapons.

en; the competent authority could therefore In cases of doubt, obtain proof of need. And in hunting law, too, this objective, documented in the legislative materials, of not allowing hunters to acquire unlimited weapons, is the starting point and reference point. What they have in common is that there must be a need to acquire and possess weapons and ammunition for the purpose of hunting, and that only as many long guns as are necessary for hunting are permitted. Finally, in the opinion of the Administrative Court of Gießen, even in the higher court case law, no unlimited right to acquire annual hunting license holders for long guns can be derived from Section 13 Paragraph 2 of the Weapons Act.

n accordance with the Lower Saxony

According to the German Higher Administrative Court (decision of October 4, 2010 – 11 E 344/10), the need for hunters is indeed regulated by the more specific provision of Section 13 of the Weapons Act, which takes precedence over the general provision of Section 8 of the Weapons Act, and through the provision of Section 13, Paragraph 2, Sentence 2 of the Weapons Act, holders of an annual hunting license are in fact completely exempt from a need test.

However, this legal presumption of need does not mean that hunters should be allowed to advertise weapons for purposes other than hunting under the simplified conditions of Section 13 of the Weapons Act. If there were doubts about the purpose of acquiring a weapon, the responsible authority could therefore demand proof of need in individual cases.

In case of doubt, needs test

But what are these doubtful cases that have already been mentioned several times, which the authority should be able to demand proof of need? The comments of the G Gießen in the otherwise quite comprehensive reasons for the decision are strikingly sparse.

Based on the case law of the Federal Administrative Court on the prohibition of hoarding weapons under Section 8 No. 2 WaffG BVerwG, decision of 19.09.20216, reference: 6 B 38/16 = NVwZ-RR 2016, 957, marginal no. 5), one would like to identify an indication of possible hoarding of weapons and thus, in individual cases, a reason for a needs test if a hunter possesses more than ten long guns.

Does the legislature have enough practical expertise to determine how many weapons a hunter needs?

In individual cases, the weapons authority should also be able to carry out a needs assessment for hunters. Problem: The authorities are already hopelessly overwhelmed due to the tightening of gun laws in the "security package".

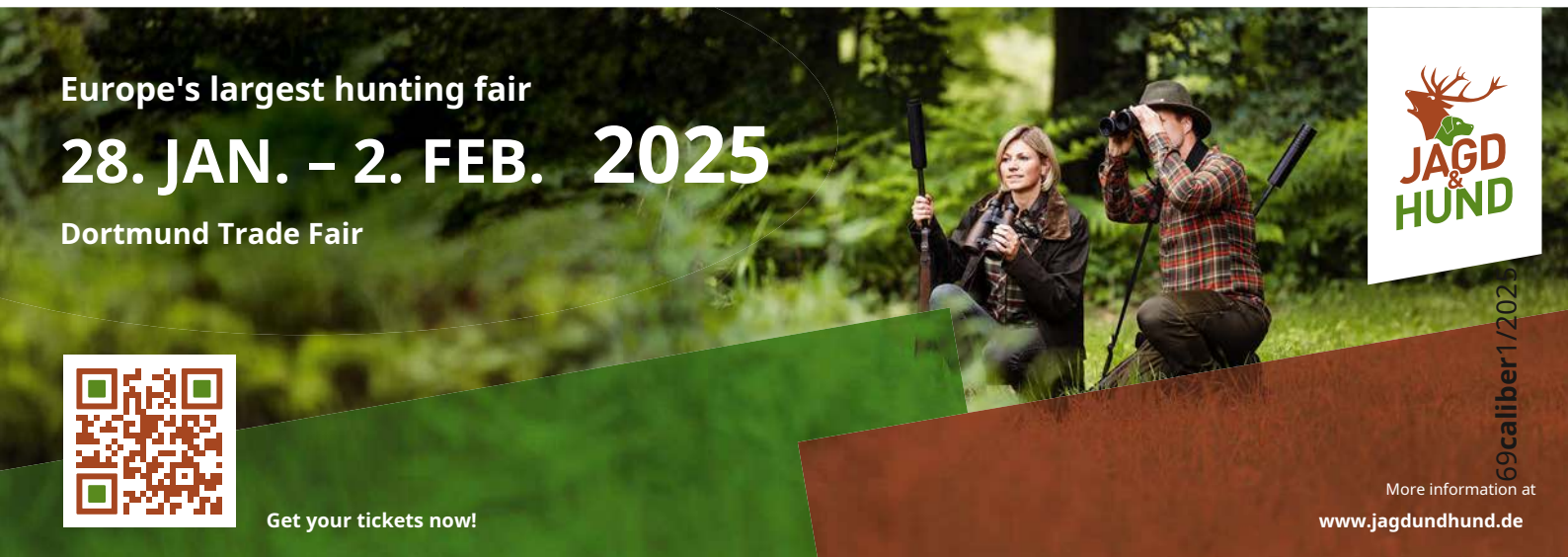
If a limit of ten weapons applies to sport shooters according to Section 14 Paragraph 6 of the Weapons Act, this could also apply to hunters. However, no further justification is provided. The ruling by the Giessen Administrative Court is also silent on whether there are other facts beyond the mere number of long guns owned by a hunter as a criterion that, in case of doubt, justifies proof of a hunting need for an additional weapon.

caliber conclusion

"A look at the law makes legal decisions easier nd" – a familiar phrase that lawyers love to hear. But shows, a look at the law alone is sometimes not enough as a source of information. In addition to the various methods of interpretation, case law from the highest courts, specialist literature or legislative materials can also play a role. And the court's detailed analysis of the expert opinions obtained in the administrative procedure shows that a sufficiently substantiated factual presentation or a corresponding counter-argument in the event of doubts being expressed is always advisable for one's own success. Because regardless of the question of whether one agrees with the legal opinion of the VG Gie-

Whether or not one agrees with the examination of the hunting need, the outcome of a legal dispute is fundamentally predictable. This is the application of the law, geared to the specific facts of the case. In this case, it is less the plaintiff's differing legal opinion that, as the holder of an annual hunting license, he is entitled to purchase an unlimited number of long guns, than the insufficient substantiation of the hunting need for the two additional long guns that led to the dismissal of the action.

Text: Marijan Loch



Light metal rays of hope!

Unlike most shooting glasses on the market, the frame of the GATORZ Eyewear glasses is not made of plastic, but of aluminum.

GATORZ was founded in 1989 in San Diego, California, by military/police veterans with the intention to produce innovative and practically designed eye protection in the USA. At the beginning, mainly by Motorcyclists and later by civilian parachutists, US Special Forces members were also used on

The GATORZ Milspec Ballistic Blastshield is the top model among shooting sports glasses.

The GATORZ Milspec Ballistic Specter, like all of the manufacturer's glasses, is available in a variety of frame and lens colors.

the Californian metal glasses. Today, the company's brand ambassadors include some former Navy SEALS and GATORZ supports organizations such as the Global SOF, Navy SEAL and Green Beret Foundations.

Flexible metal frame

The thin and therefore flexible frames, made from a block of T6 7075 aluminum, with folding temples and nose pieces can be manually adjusted for maximum comfort.

You can find out how this works in a video on the manufacturer's website and in the user manuals with QR code, which also contain essential care instructions. It is important that you make the adjustments to the frame, temples or nose piece in small steps and with little effort. A height correction can be achieved, for example, by gently squeezing the nose piece. If the glasses sit too tightly in front of the eyes, move the nose piece slightly away from the frame. When moderately bending the frame or the temples to raise the

To increase comfort, we recommend placing the glasses on your chest to create a stable adjustment platform. Common denominators of GATORZ glasses are the stable aluminum construction with stainless steel temple hinges and the curved shape, which covers a large field of vision and provides maximum protection. The frames are usually available in different Cerakote colors.

lenses with ballistic protection

The "TryRay" lenses made of polycarbonate plastic, manufactured using the injection molding process,

UNSERE LAUFREINIGER FÜR KALIBER .22 BIS KALIBER 12
Laufreiniger für Sportschützen, Jäger und taktischen Einsatz

ZEITERSPARNIS
- Bis zu 30% höhere Reinigungsleistung
- Weniger Materialverbrauch

SAUBERKEIT
- Perfekte Reinigung durch optimalen Anpressdruck
- Gleichmäßige Verteilung von Ölen und Reinigungsmitteln im Lauf

PRÄZISION
- Perfekte Anpassung an Züge und Felder
- Praktisch abrieb- und staubfrei

RAMFELT Kunden wissen, dass Präzision kein Zufall ist.
WWW.RAMFELT.DE

JETZT NEU

Follow me
Buy from our Partners
Follow me

Material with multi-layer coating is available in a variety of colors as well as in special versions with photochromatic adjustment to changing light conditions, polarization filters or, above all, for official use with laser protection ("Laser Defender Lenses"). All GATORZ glasses meet the standardized US optics standard according to ANSI (American National Standards Institute) Z 87.1 in terms of impact resistance, optical clarity and UV protection. But the models in the Milspec Ballistic series go a whole step further in terms of safety. GATORZ meets and exceeds various military standards (US MIL-PRF-324432A, Clause 4.8.4 Ballistic) with regard to minimum ballistic protection for the eyes. Here, projectiles of different weights, shapes and speeds are fired at the lenses, whereby the material must not be penetrated and no particles must be released from the lenses, so that eye injuries are ruled out. For example, the lenses must withstand two hits with 3.81 mm diameter T37 projectiles at a speed of around 213 to 221 m/s. This is of course a factor that should not be underestimated on the shooting range. The GATORZ glasses Magnum, Delta and Specter are also available with optical correction lenses.

The GATORZ Milspec Ballistic Rig with photochromatic lenses is a true all-rounder for everyday use and the shooting range.

sen, which are manufactured individually in a laboratory in Japan, with a delivery time of around 30 to 45 days. These higher-priced models do not have the protection according to ANSI Z 87.1 or US MIL-PRF-324432A.

GATORZ Milspec Ballistic Blastshield

The Blastshield model with a continuous, interchangeable lens without an annoying middle bar, which covers a very large field of vision, is the shooting sports glasses par excellence. While with competitors you often have to bend the lens a little to insert it into the frame, this is not necessary with the Blastshield. If you bend the lens again and again, This can lead to material stress and optical distortions in the long term. Here we show the Blastshield in the "Shooting Day & Low Light Bundle" with two lenses for bright daylight and adverse lighting conditions at outdoor and indoor shooting ranges. Price: 410 euros. With a viewing window of your choice, the Blastshield is available from 325 euros.

GATORZ Milspec Ballistic Rig

Here we show the all-round Rig model with photochromic lenses that automatically adjust to changing light situations and change their tint. With these lenses, the glasses cost 350 euros, but with the "smoke/anti-fog" lens, they cost 305 euros.

The curved frame construction of the Blastshield and on the right the interchangeable lens mechanism.

Clean markings and labels on the Specter's aluminum frame.

GATORZ Milspec Ballistic Specter

We present these glasses, here with a frame with a Cerakote Tan finish, with a "Smoke" lens, and the price is 310 euros. With a photochromic lens, this model costs 355 euros. The frame is offered in other colors such as black, gray or olive green.

See also: www.gatorzeurope.com

Text: Stefan Perey

top shooter Andreas Dauphin

The IPSC/action shooter Andreas Dauphin, who was profiled in caliber 6/2024, has been using a GATORZ Blastshield for around a year. Here is his experience: "Super comfortable thanks to the slim metal temples and at the same time perfectly adaptable to any head shape. Even with earmuffs, nothing presses when worn for long periods. The glasses are super robust thanks to their metal frame. The continuous glass means there is no annoying frame that impairs the field of vision. The interchangeable lenses make it possible to find the right contrast for every lighting condition. I use them myself with red dot sights and they are simply amazing. There is no glare and nothing reflects. For sun protection, I also use the GATORZ Marauder in my free time. These glasses are also perfect for shooting. However, they do not have continuous glass, but two individual lenses.

n

PIEXON

DESIGNED & ASSEMBLED IN SWITZERLAND

JPX 6

- Optionally available with laser
- Pepper spray gun with 4 highly concentrated pepper spray charges
- Accurate up to 7 meters
- Patented drive system for flawless operation without pressure loss
- Fast reloading by simply changing the magazine
- Magazines sold separately
- No deflection of the beam even in extreme weather conditions
- Reliable at any time and in any position ready for use
- Automatic change to the next load

capacity	4 shots of 10 ml each
height	143 mm
jet speed (after 1.5 m)	80 m/s (290 km/h)
total length	195 mm
security dist.	1.5 m
Weight	634 g

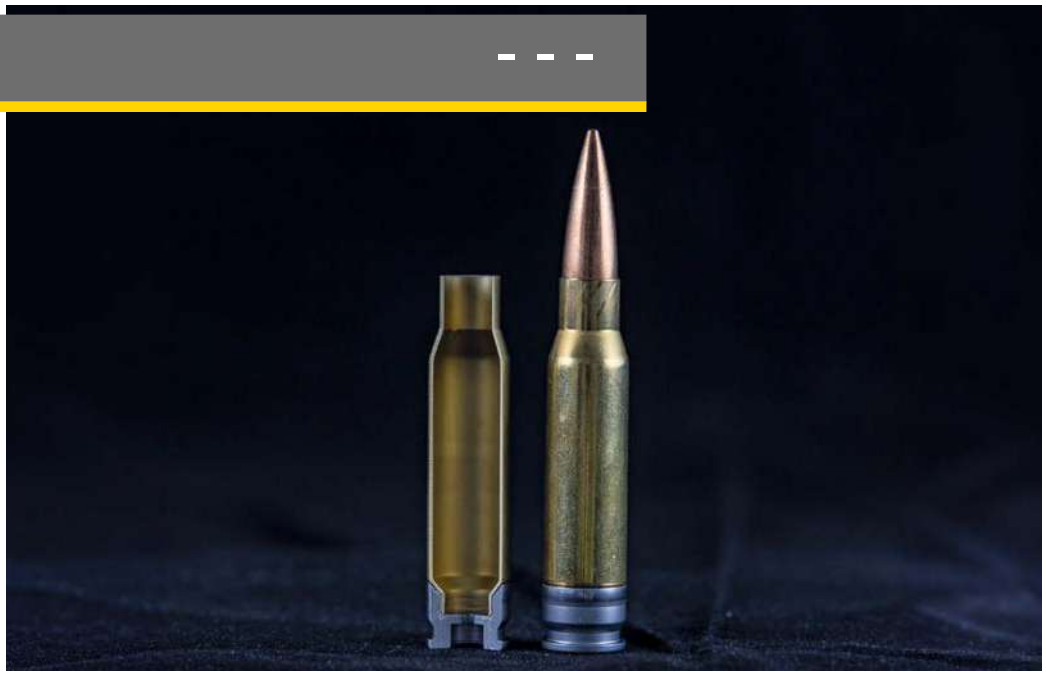
WIRKSTOFF PIEXOL
400.000 SCOVILLE

RRP€ 379,-

Use only for animal defense!

G·S·G PREMIUM BRANDS

Available at www.germansportguns.de



The first “Ammo Symposium” supported by RWS as part of the Enforce Tac security trade fair is all about the essential topic of ammunition supplies for the military and police in Europe.

At the Enforce Tac 2025 security trade fair, the trade fair organizer and RWS GMBH are bringing together leading experts, decision-makers and procurement agents for the first time to discuss current challenges in ammunition procurement. In the face of global con icts, the symposium offers strategic solutions and strengthens cooperation for stable supply chains and effective procurement processes. The event is dedicated to the pressing bottlenecks in ammunition production and procurement, which are becoming increasingly relevant due to ongoing con icts such as those in Ukraine. Several EU countries are currently cooperating to secure ammunition supplies and ensure long-term stable supply chains for European defense. This topic is also being discussed intensively at the European level - most recently through statements by the German Defense Minister Boris Pistorius, who called for coordinated ammunition procurement.

at the European level as essential. "Enforce Tac 2025 will set new standards not only in its size, but also in the depth of its content. With the "Ammo Symposium" we are creating a platform that specifically addresses the most pressing issues of ammunition supply and brings the right players together. Our partnership with RWS GmbH underlines the importance of this topic for the entire industry," explains Luisa Seibt, Marketing Director at Enforce Tac.

RWS GmbH, a leading manufacturer of small caliber ammunition, pyrotechnic elements and components, is providing significant support to the project. Alexandra Cristea, VP Sales/R&D at RWS GmbH, emphasizes the importance of Meaning of this forum: "In a rapidly changing global security landscape, it is crucial to jointly find new approaches for transparent and efficient cooperation. This event offers us the opportunity to share our knowledge and work together with procurers and industry on innovative strategies for the future." (sp)

New hole drill from the Czech Republic: The CZ Shadow 2 Target in 9 mm Luger, here in the 6” version with additional weight mounted on the grip.

With the brand new CZ Shadow 2 Target model in 9 mm Luger, the Czech manufacturer is launching its first in-house longslide match pistol with a 6"/152 mm barrel, which is primarily designed for static precision shooting. There is also a Shadow 2 Target with a 5"/ 127 mm barrel.

This makes an optionally available CZ available to German importers

AKAH and Frankonia are essentially competitors, as they are known to offer their own 6” match pistols based on the CZ.

The features of the new all-steel pistol are pleasing: Fully adjustable single-action trigger with adjustable trigger weight from 600 to 1,700 grams and in the position Movable, straight aluminum trigger tongue, revised controls, fully adjustable LPA target sight with high target grain (two grain widths included), attractively designed G-10 grips, interface on the underside of the grip recoil spring housing for fixing 100 grams of additional weight. The new CZ Shadow 2 Target pistols weigh 1,245 grams in the 5" version and 1,285 grams in the 6" version. They will be available from February/March 2025 for a price of 2,279 euros. (sp)

www.czub.cz, www.akah.de and www.frankonia.de

In Me hearing distanceshort-barreled riflefeseems the 5-m disc zwar close, but the hanging

The challenge here is to attack with precision.

Only a few days after the so-called security package came into force, the Federal Association of Civilian Legal Weapons (BZL) alarm. The association There are several statements from district authorities pointing out that the issuing of firearms permits – such as the issuing or extension of hunting licenses – is currently not possible because the responsible authorities have no information on how the expanded authority queries decided by the legislator are to be implemented. It is also unclear when the processing of applications can be resumed. “Our association has repeatedly pointed out that these expanded queries do not bring any benefit to internal security.

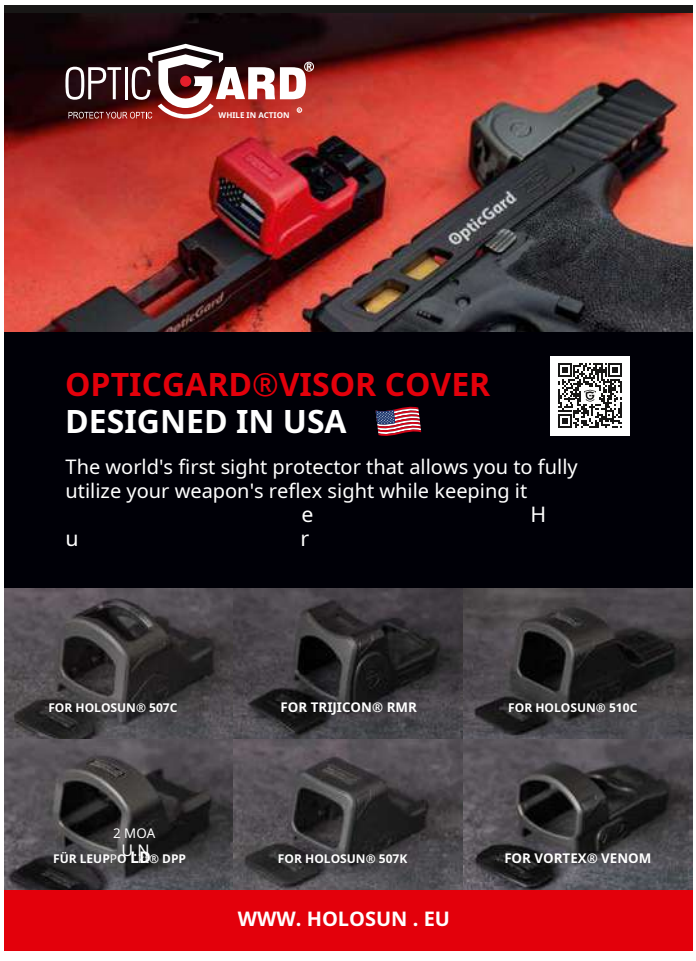
but only to a total paralysis of the authorities in the management legitimate applications legal "The police will lead to a loss of control of law-abiding citizens," says BZL chairman Matthias Klotz, commenting on the current situation. "The district authorities are not to blame here - but just like sports shooters and hunters, they now have to pay the price for the incompetence and ignorance of the traffic light coalition," continues the 53-year-old expert. Since the security package was introduced, the BZL has rejected all of the tightening of the gun law contained therein to the detriment of law-abiding citizens and has found over 132,000 supporters in a petition with the same wording. Nevertheless, the law came into force on November 1st. The end of the traffic light coalition

Klotz has mixed feelings about this. “This break was long overdue, but unfortunately it comes too late for legal gun owners. Our social group or our concerns were obviously not important enough to pull the plug as part of the security package, and quite rightly so.

The way must be cleared as quickly as possible for new political constellations that can work on repairing the damage that has been caused. When it comes to the weapons law, we are ready to contribute our expertise and to work on real improvements that will ensure less bureaucracy and more internal security." (sp)

As a small, corrective, well-known and extremely experienced addendum to our report from the 22nd Freedom Arms Shoot in caliber 11-12/2024 we would like to point out that all the fascinating pictures of the shooters in action with their handguns in hammer calibers come from Michel Schauch. He is himself an equally well-known Large-caliber enthusiast. In the picture, for example, you can see him with a Smith & Wesson X-Frame revolver in .500 S&W Magnum with a 3"/76 mm barrel length, from which he fires loads of 720 grains/46.6 gram bullets. Respect! (sp)

Michel Schauch likes to have fun and experiments with extremely powerful handguns. The amateur photographer also takes excellent photos of the world of weapons.



€,, ƒ

The brand new Beretta 688 Performance in the trap and sporting versions weighs around 3.8 kg with a 76 cm barrel length.

The traditional Italian company is presenting the new, sporty inte 688 Performance over-and-under in 12/70 and 12/76 for clay pigeon disciplines. Compared to the classic Beretta DT 11 or the newcomer Beretta SL2, the new 688 Performance shotguns are in a much lower price range, with prices starting at around 3,300 euros. This means that they may also be of interest to newcomers to the fascinating clay pigeon sport. The shotguns with barrel lengths of 76 and 81 cm (trap version) or 71, 76 and 81 cm (sporting version) are built on a rock-solid steel receiver with a smooth, easy-to-use locking lever. While the 688 Performance Trap in 12/70 has fixed chokes, the 688 Performance Sporting in 12/76 A particularly strong recoil- one with interchangeable chokes. The black-gray laminated wood stock with height-adjustable on with a wide range of adjustment options and the attachment of optionally available 20 gram or 40 gram additional weights for individual fine-tuning. Absorbing butt cap is standard equipment. The distance from the butt (Length of Pull, LOP) is 376 mm for the Beretta 688 Performance Trap and 376 mm for the Sporting. The "Steelium Optimabore HP" barrel bundle with extended transition cone promises even, density Coverage of the shot pattern with low recoil and reduced muzzle deflection.

etta
iet

centuries of experience, so that the new 688 models will certainly be able to impress on the shooting range, even when compared to the company's flagships.

(sp)

For further information visit: www.beretta.com and

View of the steel receiver with sleek design and orange laser engravings.

Opening and closing the sports shotgun should be particularly smooth.

“ .....† ƒ ƒ- -- ‡ ˆ ƒƒ ‰

Modern all-weather hunting repeater with fine ingredients: The Savage 110 PPR in nine calibers with 20" Proof Research barrel.

Based on the ideas of the prominent US hunter and TV chef Mike Robinson, who specializes in game cuisine (“Farming the Wild”), the equally attractive and powerful three cartridges. In addition, there are the 110 PPR repeating rifle from Savage Arms. The equipment is impressive: lightweight, adjustable Grayboe Phoenix 2 synthetic stock with M-LOK rail on the forearm underside and a great camouflage finish, 20“/ 508 mm Carbon jacketed barrel from Proof Research with muzzle brake, Steel system sleeve with olive green Cerakote coating, fluted bolt with Cerakote coating and revised em bolt head with double ejector and improved extractor, one-piece ZF mounting rail with 20 MOA inclination, AICS magazine with capacity for the 1,000-fold proven Savage components such as the 110 cylinder locking system or the adjustable AccuTrigger direct trigger with the safety in the trigger tongue. The new Savage 110 PPR is available in nine calibers: .308 Win., 6.5 Creedmoor, .300 WSM, 6.5 PRC, .28 Nosler, .30-06, .270 Win., .300 Win. Mag. and 7 mm PRC. (sp)

For more information visit: www.savagearms.com

The rifle was developed in close collaboration with Mike Robinson from “Farming the Wild”.

LOTHAR WALTHER

www.lothar-walther.de

Gun barrels and more

100 years of quality

. 50 BMG

BIG BULL STAINLESS Ø 38/42 MM CALIBERS: .4I6 / .408 / .375 / .338 / .30 / .284 / .264 / .243 / .224

The Caracal Lynx high-capacity match pistols with two-piece 2011 grip and modified locking system from Decima Divisione Ballistica.

The wholesale company Manfred Alberts from Wiehl in the Bergisches Land is expanding its already extensive range with new, interesting sports pistols. The match weapons come from the Italian company men Decima (X = 10 = Decima) Divisione Ballistica from beautiful Tuscany.
The Caracal Lynx is a 2011 type pistol that can be used in many disciplines. However, it is not based on the original John M. Browning locking system with a tilting barrel with two locking lugs, but on the Browning-Petter-SIG system with a square locking block designed cartridge chamber. This technology was first used in large-scale production in the SIG P220/P75 and is now considered a cost-effective, efficient locking system in modern pistol designs.

The XDB Rapax is reminiscent in design and technology of the earlier Strike One and Stryk B pistols from Arsenal Firearms. Archon Firearms from the Czech Republic also produces pistols of this type. In contrast to the models mentioned, however, the Rapax has an aluminum frame instead of a polymer one.

The separation of the barrel and bolt on the Caracal Lynx is still done via a chain link, as is known from the classic 1911. The revised bolt construction is intended to allow a two millimeter lower barrel axis/sight line compared to the JMB classic. The two-part grip with upper slide guide made of steel and actual grip frame made of aluminum is machined from solid material. The 5"/127 mm long match barrel is guided in the front of the slide through a bushing with a distinctive design.
During a first close encounter at the shooting range, the Caracal Lynx pistols with a magazine capacity for 17 cartridges in 9 mm Luger impressed with a high level of workmanship and very refined trigger characteristics.
The match pistols, which are currently only available in 9x19, are available with Cerakote or DLC coatings in various color combinations starting at a price of 3,850 euros.
The name Rapax comes from a Roman legion and is the model name of the other innovative match pistol from Decima XDB. The Locking block with closed control curve ensures the separation of barrel and bolt and is therefore strongly reminiscent of the earlier Arsenal Firearms Strike One and Stryk B (see tests in caliber 10/2014 and 11-12/2017). However, the Rapax does not have a polymer frame, but a light metal handle, which provides more weight and a pleasant feel.
At the shooting range, we were very impressed by the low muzzle deflection, which unfortunately cannot be said for the somewhat spongy trigger behavior. The low bolt design unfortunately prevents an interface for red dot sights. Anyone who still wants to use this type of targeting can use the in-house mount, which is anchored in the rear sight cutout. The 9x19 pistol with a magazine capacity for 17 cartridges is also available in different configurations/surface finishes, including an abrasion-resistant DLC coating, at prices starting at 3,850 euros.

Italian IPSC top shooters have numerous titles in Production

Based on the XDB Caracal Lynx, an open version in 9 mm Luger with an extremely long compensator is also available. Price: 4,185 euros including bridge assembly.

Reload Swiss RS

The perfect hit!

New charging data brochure available from 2025.

The high-tech powder for perfectionists

- Powerful
- Available
- Reproducible

www.reload-swiss.com

For three decades now, Dietmar Pohl has been dealing with edged weapons in all their fascinating diversity.

Designer, author and CEO Dietmar Pohl can officially look back on 30 years of professional experience

On November 18, 1994, he submitted his work in the field of science and technology examination and started working full-time three days later. And He still does this today without vomiting. However, He developed knives as a workshop student. Rambo film already contains drafts like Magnum Collection Knife 5 or the iconic Böker edlock switchblade, the for 30 years in several called it during the iations is produced. The following years saw countless further developments and From 2007 to 2008 he also played in another Solingen company and thanks the Eickhorn Pohl One or SEK left its mark, which can still be seen today.

successfully offered. In December 2008, he finally became self-employed as a designer and managing director of Pohl Force GmbH and was able to live out his dream as a knife enthusiast. In his own words, he is one of the few lucky people in the world who have turned their hobby into a profession. And not only that; for him, the MK9 Heartstopper for the last his friend Sylvester Stallone has closed a circle that began almost 40 years ago. The Hollywood producers and the film crew During the filming of Rambo Last Blood, he was simply called "The Knife Guy" and this name stuck in the film industry. He is looking forward to celebrating this anniversary with all Pohl Design fans.

everyone for your loyalty and support over the years.

(sp)

The successful Team Savage shooter Matt Alwine continues to confirm his incredible shooting skills and dominance in the competition circuit in the 2024 season. He not only won the Production Division with his Savage Arms 110 Elite Precision in the PRS 2024 finals in Mountain Home, Idaho, on November 2nd-3rd, but also took second place in the Open Division. This is the best placing to date with a production rifle in the Open class in the young PRS competition history. The always cheerful top shooter, who we had the pleasure of getting to know better in person, said: "I love the fact that I can compete with the world's best shooters in the Open class and their hand-built custom rifles with a completely standard rifle."

(sp)

More information under: www.savagearms.com

Matt Alwine won the Production Weapons class and finished second in the Open Division with his Savage 110 Elite Precision in the PRS 2024 Finals.

In caliber 10/2024 we presented the new ERATAC match trigger for AR-15 type self-loading rifles in detail. As has now been shown in further tests with Haenel CR223 and Heckler & Koch MR223 rifles, it is essential to install the ERATAC safety shaft T0561-0000, which is tailored to the match trigger. Without this component, the safety cannot be activated. The safety shaft is available from specialist retailers for 69.90 euros. The safety shaft included in the delivery catch contained,**With the German AR rifles** Different plastic control elements can be mounted on the shaft in the 90° or 45° position. (sb)

www.eratac.de

Haenel CR223 and Heckler & Koch MR223 with indirect "short stroke" gas pressure loading systems, the corresponding safety shaft must also be installed when mounting the ERATAC trigger.

ENFORCE TAC

INTERNATIONAL EXHIBITION & CONFERENCE

BE THERE!

February 24-26, 2025

LAW ENFORCEMENT AND DEFENCE

NUREMBERG, GERMANY | ENFORCETAC.COM

Only for members of authorities with security tasks and the armed forces.

NÜRNBERG MESSE

81caliber1/2025

caliber

Address

VS Medien GmbH
Burgbergweg 1
56377 Nassau
Phone: 02604-94464-0
E-Mail: info@vsmedien.de

Letters to the Editor & Inquiries

We would be happy to read your comments and suggestions about caliber. We have been advising on all relevant areas of the firearms world for three decades now: handguns, long guns, ammunition and reloading, optics, knives and equipment.
If you have any specific questions or requests for the editorial team, please write to:

caliber editorial team
Luxemburger Straße 305
D-50939 Cologne
Stefan Perey
Tel.: 0221-94198890
stefan.perey@vsmedien.de
Tino Schmidt
Tel.: 0221-94198891
tino.schmidt@vsmedien.de

subscriptions/orders

If you would like to subscribe to caliber, please visit our online shop at www.vsmedien-shop.de.

If you have any questions about the caliber subscription or to order older caliber issues, please contact:

VS Medien GmbH
Burgbergweg 1
56377 Nassau
Telephone: 02604-94464-10
vertrieb@vsmedien.de

Special price for students, trainees, pupils and conscripts upon presentation of proof:
Domestic: 46.75 €,
Abroad: 60.75 €

Show

For your advertising requests, please call
Tel.: 0221-94198892
Peter Hoffmann is the right contact person.
peter.hoffmann@vsmedien.de

caliber must read! The February 2025 issue will be published on 31.01.2025

caliber advertising deadline for issue 03/2025 is 21.01.2025

caliberimprint

caliber appears ten times a year.
38th year

Editor:
Stefan Perey (responsible),
stefan.perey@vsmedien.de
Tel.: 0221-94198890
Tino Schmidt, tino.schmidt@vsmedien.de
Tel.: 0221-94198891
Wolfgang Karbach (editor)

Permanent employees:
Dr. Dipl. Ing. Stefan Bader, Jens Bork, Peter Dlask, Oliver Falk, Michael Fischer, Stefan Föll, John Gerards, Ken Kempa, Marijan Loch, Tanja Loch, Axel Manthei, Dr. Bernhard Metzner, OStFw Hermann Rosenberg, Peter Salaf, Peter Schmidtke, Jens Tigges

Graphics, Layout & Production:
Thomas Scharhag, Marc Bauer, Markus Kimmel

Cover photos:
Dieter Licht

Advertising Sales Manager:
Peter Hoffmann
Tel.: 0221-94198892
peter.hoffmann@vsmedien.de

Distribution:
IPS Pressevertrieb GmbH Carl-Zeiss-Str. 5, D-53340 Meckenheim Tel.: 02225 8801-0

Publisher/Subscription:
VS Medien GmbH
Burgbergweg 1, 56377 Nassau
Phone: 02604-94464-10
vertrieb@vsmedien.de

Single issue price: €6.50. Annual subscription for ten issues: €60 (including VAT and postage). Abroad: €74.
After the minimum subscription period has expired, the subscription is automatically renewed for an indefinite period, but can be canceled at any time with one month's notice.
ISSN 0933-3738

Advertising price list No. 38 applies

Technical production, lithography: VS Medien GmbH, printing:
ADV-Augsburger Druck- und Verlagshaus GmbH, D-86167 Augsburg,
Tel.: 0821-7904-216

All articles in this magazine are protected by copyright. Reproductions, translations and use of texts or photos in other media (including excerpts) only with the express written permission of the publisher and with reference to the source. All rights reserved.

Publication according to Section 9 Paragraph 4 of the State Media Act of February 4, 2005: The economically involved shareholder with a share of more than 5 percent of the capital of VS Medien GmbH is Ammotec Deutschland GmbH, Kronacher Straße 63, 90765 Fürth (100%).

Chairman of the Supervisory Board: Carlo Alberto Gussalli Beretta

Managing Director:
Dirk Schönfeld

IVW media control
(Information Association for the Determination of the Distribution of Advertising Media eV) - tested

LEUPOLD

MADE IN USA

THE CROWNING FOR YOUR"GLOCK".

The Leupold DeltaPoint-Micro is a fully enclosed red dot sight with an extremely low sight line that matches the fixed handgun sight. The red dot aligned with the front sight allows the shooter to maintain his usual, intuitive position via the open sight and to aim with both eyes open. The extremely compact form is particularly suitable for concealed carry. The Leupold DeltaPoint Micro can be used with the included prism
Mount reliably, quickly, easily and without any changes to the weapon into the existing rear sight notch.

- Professional-grade red dot optics system
- Battery-saving motion sensor technology with motion sensor and automatic standby 8
- manually selectable brightness levels
- Tool-free battery change without disassembly
- Only 31 g light

3 MOA ROTPUNKT

DETAPOINT MICRO WITH MOUNTING
FOR GLOCK PISTOLS, #110178745, RRP € 529,-

529,- RRP €

BUILT FOR PROFESSIONALS.

Leupold DeltaPoint Pro – the ultimate red dot sight for all long and short guns. The torsion-free aspherical lens with unlimited field of view ensures good visibility even in stressful situations. Made from aviation aluminum and equipped
The DeltaPoint Pro can easily withstand the toughest loads.

- Twilight Max Red Dot System
- Precise 1 MOA (2.9 cm at 100 m) click adjustments 8
- manually selectable brightness levels
- Tool-free battery change from above
- Possible simultaneous use of the open sight
- Waterproof up to 10 m 49 g light
- Battery-saving motion sensor technology with motion sensor and automatic standby

DELTAPOINT PRO WITH 6 MOA RED DOT
110181105, RRP €**639,-**

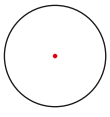
6 MOA RED DOT

639,- RRP €

FREEDOM RDS 1x34. LIGHTNING FAST AND HIGHLY PRECISE – EVEN FOR LONG-DISTANCE SHOTS.

The closed red dot sight Freedom RDS Black 1x34 with**Very sharp, bright, 1 MOA illuminated dot with a target coverage of only approx. 3 cm at 100 m.**

- 8 brightness levels suitable for low-voltage and daylight use Fine 1/4 MOA click adjustment 34
- mm center tube diameter with 80 MOA adjustment range
- Twilight lens system for first-class clarity
- 100% anti-fog and waterproof
- 30-year warranty on mechanics, 2 years on electronics
- battery-saving motion sensor technology with motion sensor



1 MOA RED DOT

FREEDOM RDS BLACK 1x34 WITHOUT MOUNTING,#110180091

299,-
RRP ~~€399,-~~

PRECISION

GLOCK WATCH COLLECTION

This watch impresses with

- an automatic movement
- scratch-resistant sapphire crystal
- Hands and indices with Swiss Super-LumiNova®
- 10 ATM

AVAILABLE NOW

Officially licensed product from GLOCK.